

FIG. 1

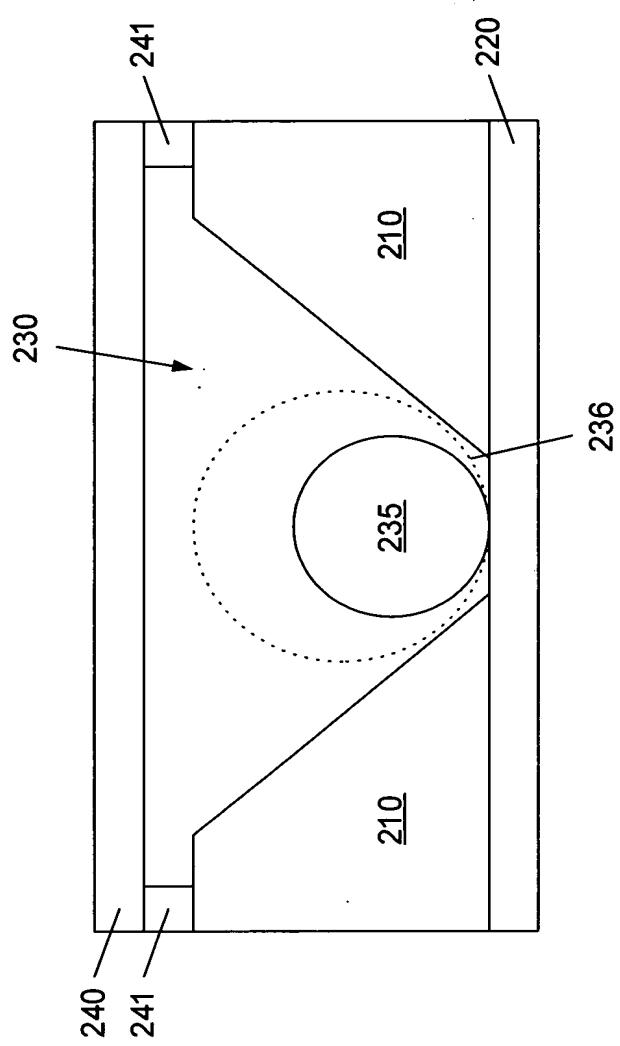
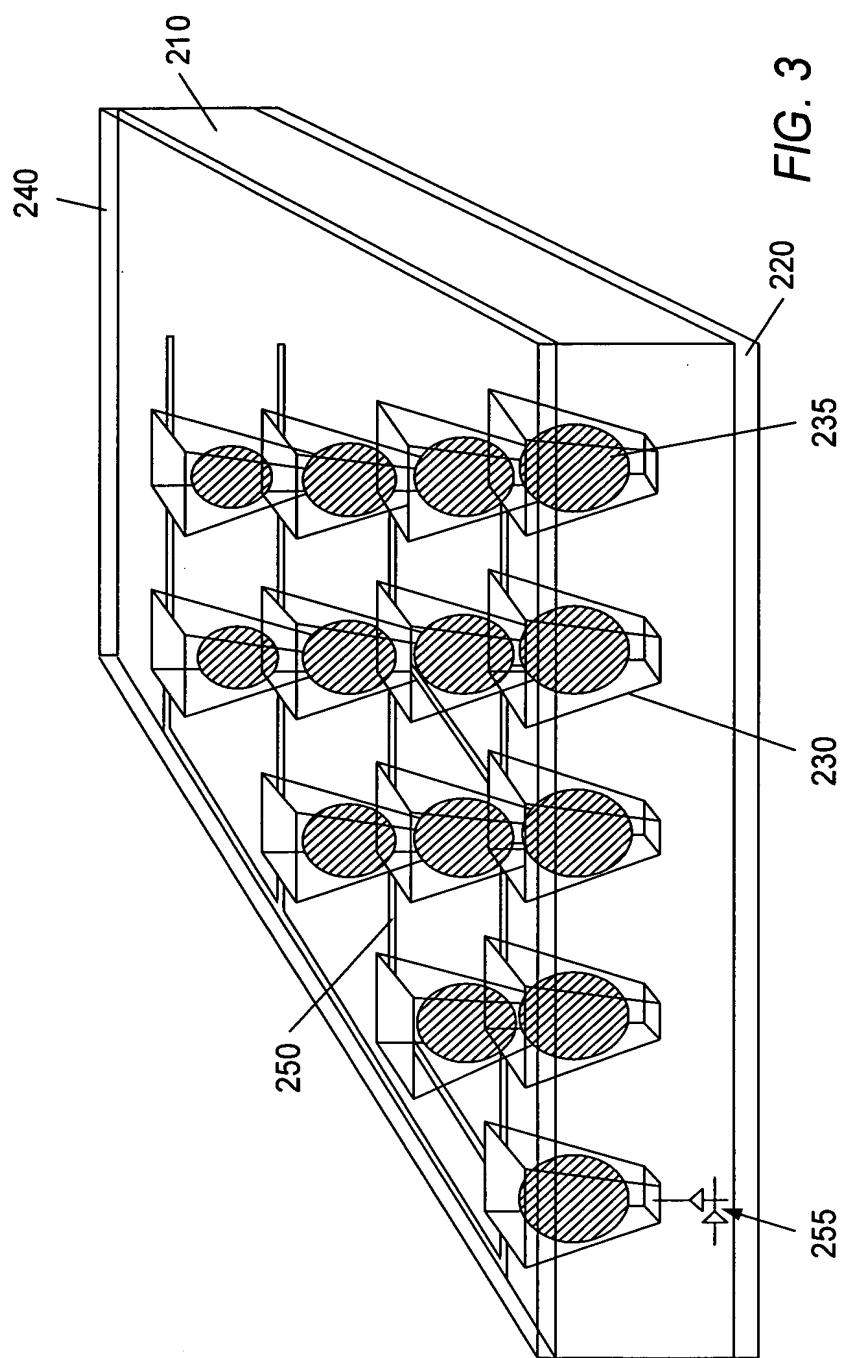


FIG. 2

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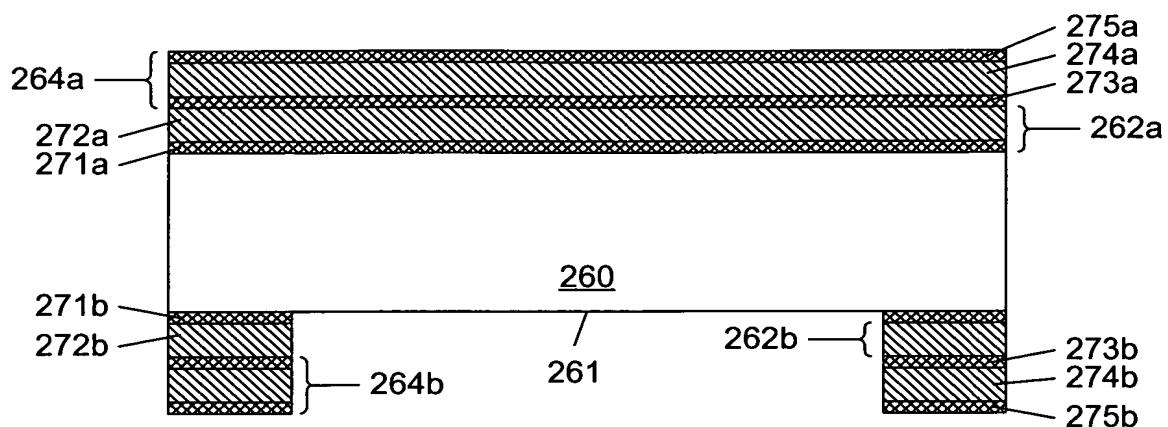


FIG. 4A

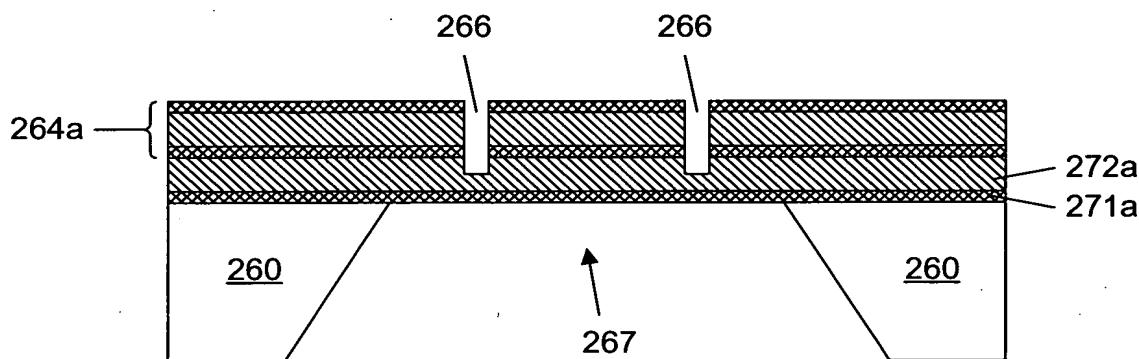


FIG. 4B

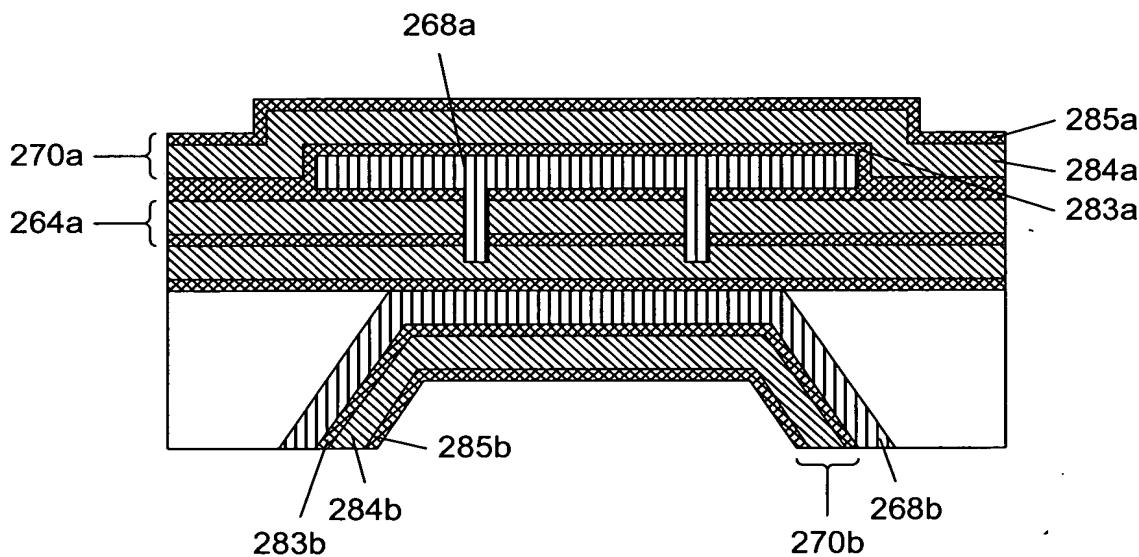


FIG. 4C

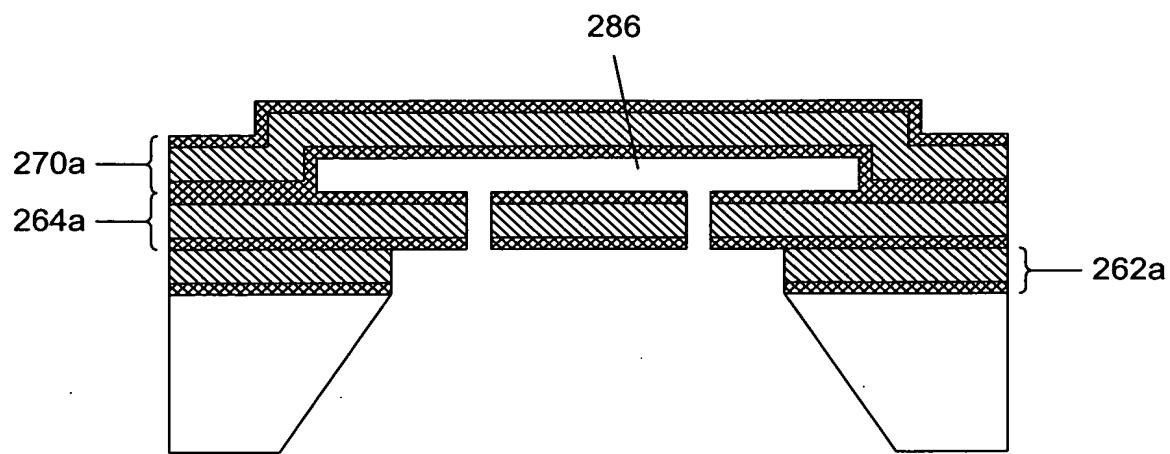


FIG. 4D

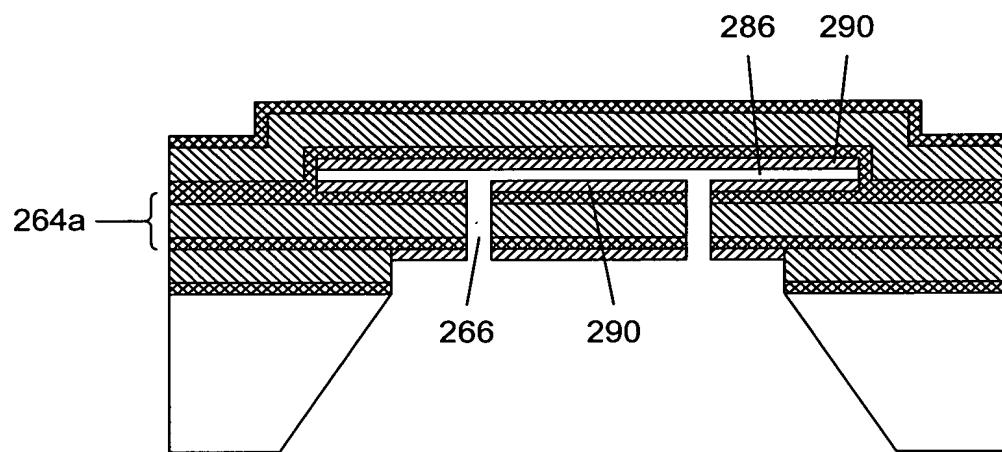


FIG. 4E

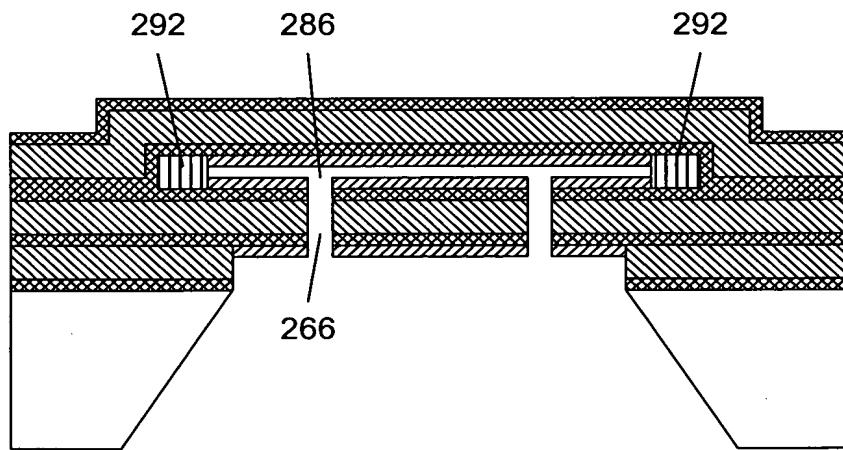


FIG. 4F

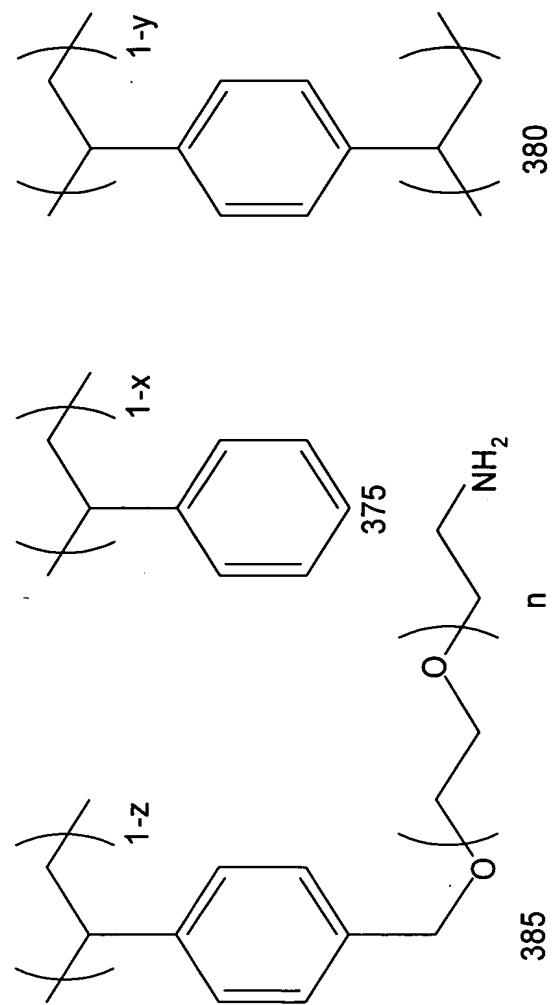
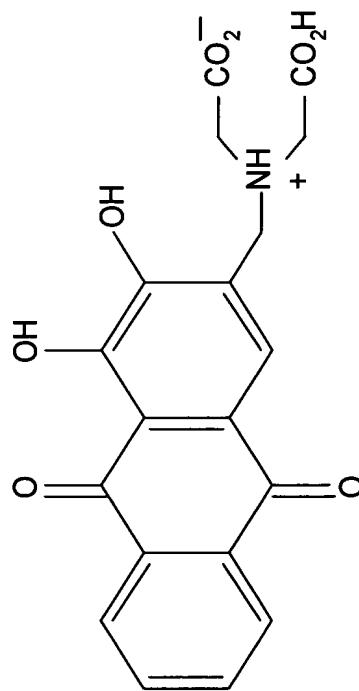
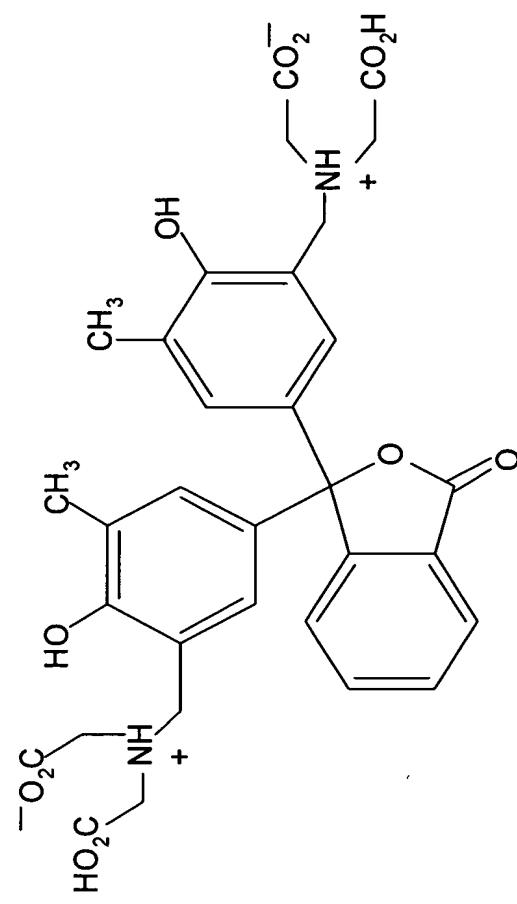


FIG. 5

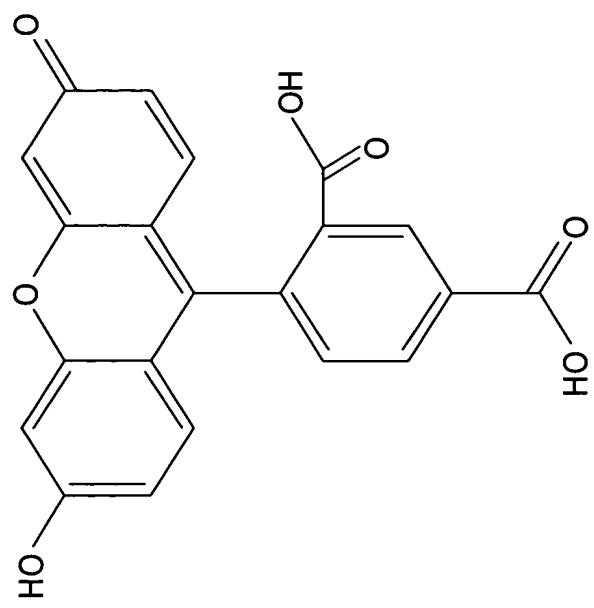
FIG. 6



alizarin complexone



o-cresolphthalein complexone



5-carboxy fluorescein

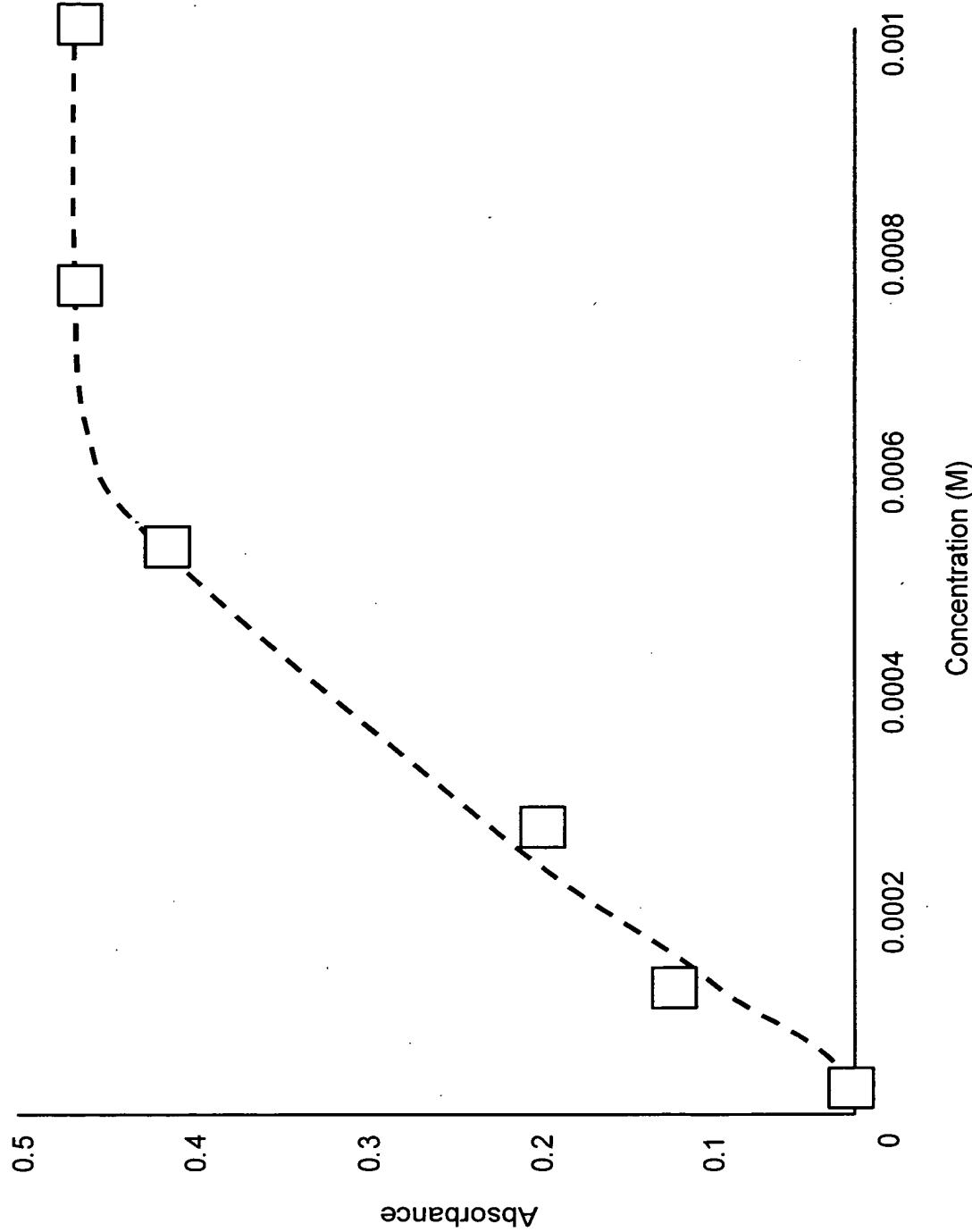


FIG. 7

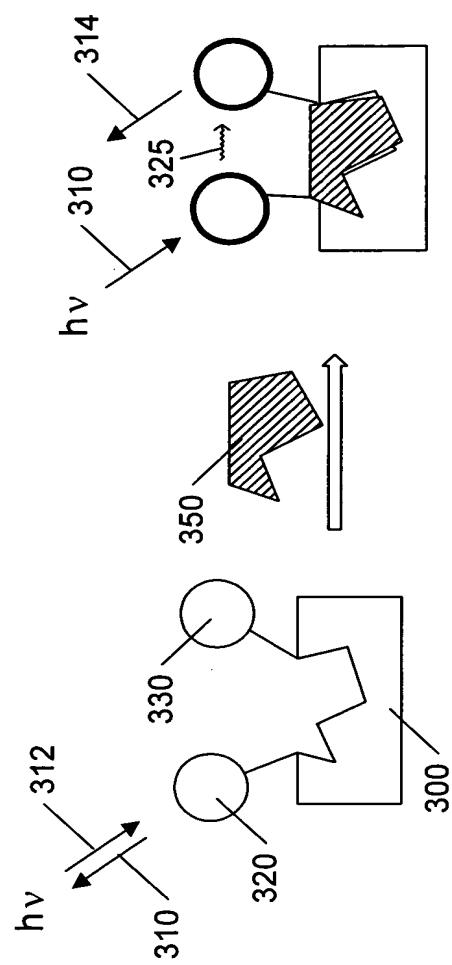


FIG. 8

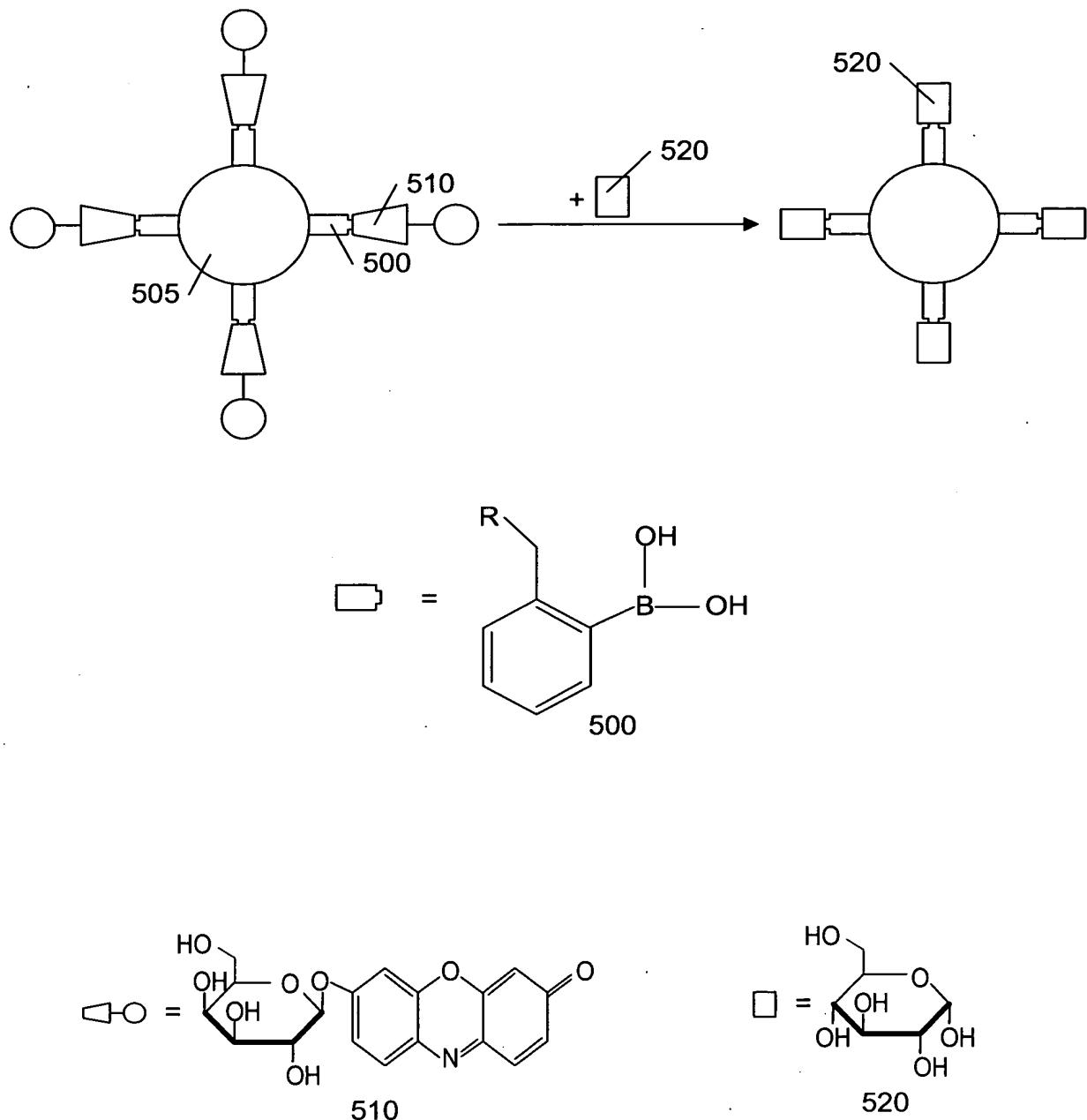


FIG. 9

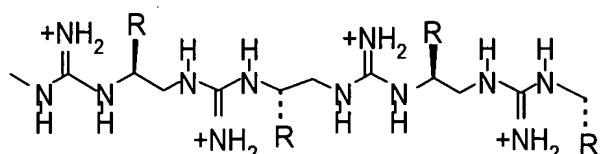
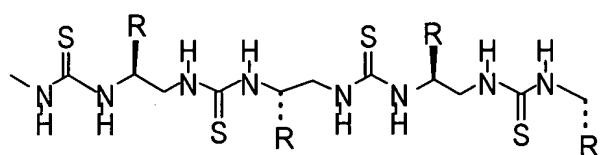
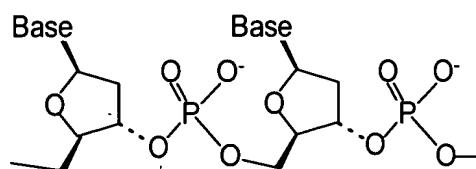
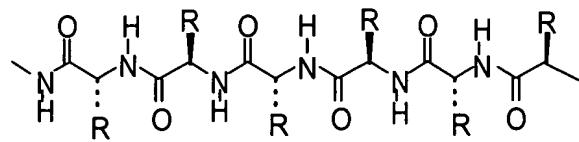


FIG. 10

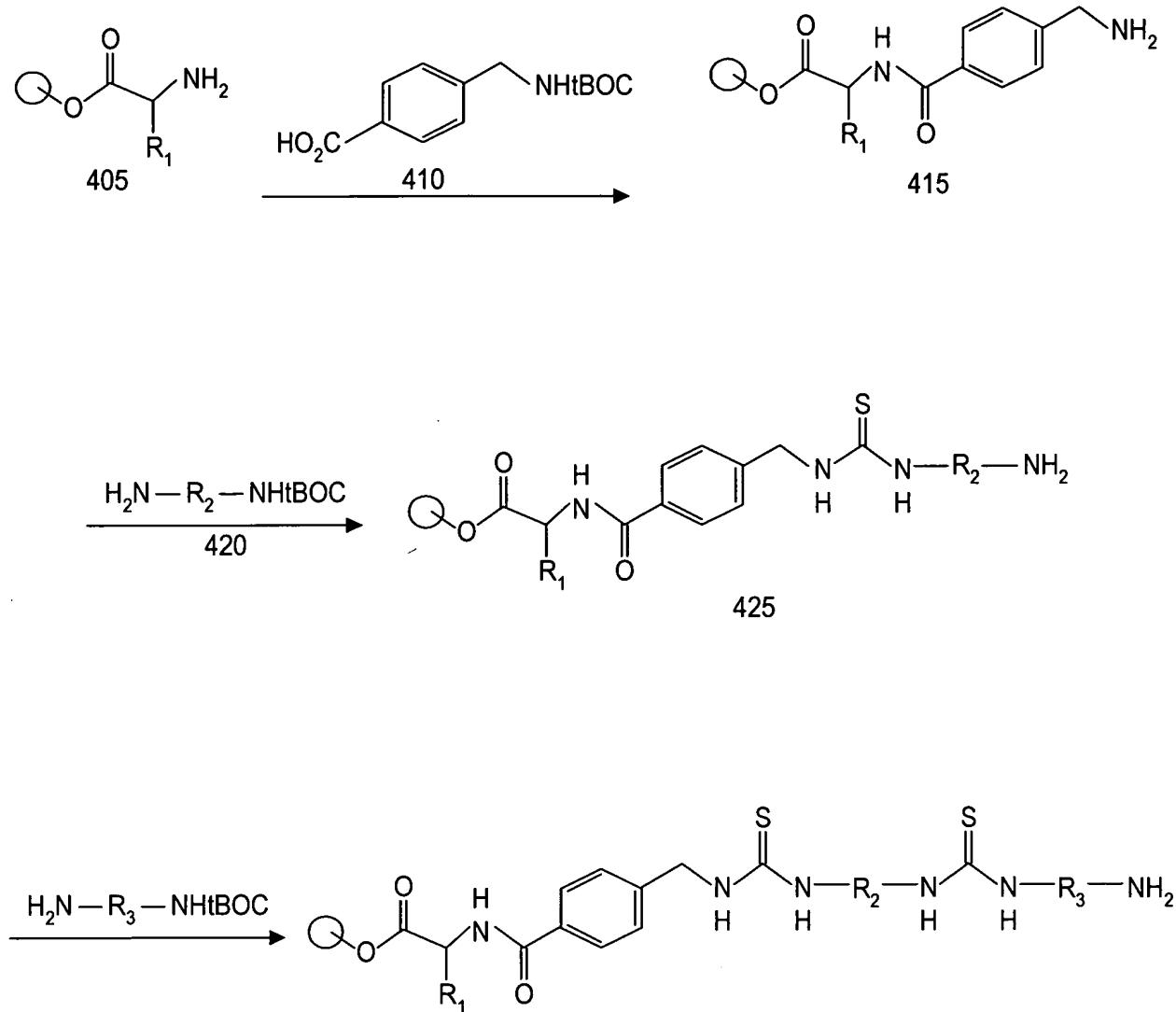


FIG. 11

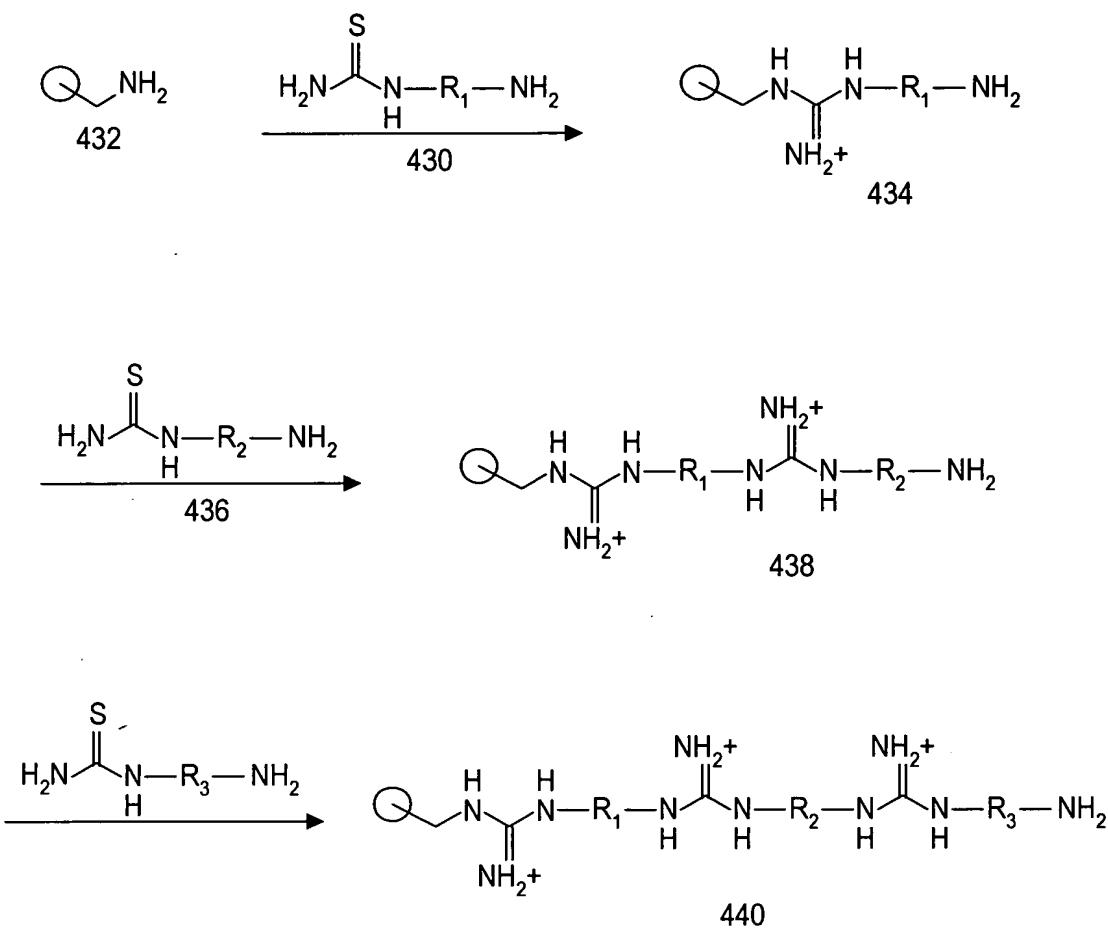


FIG. 12

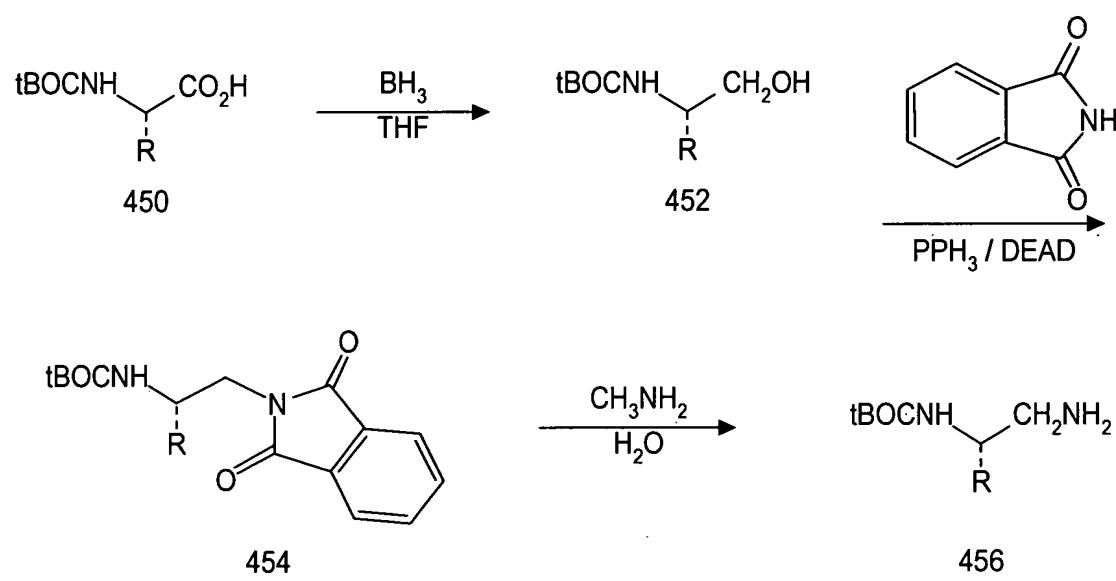


FIG. 13

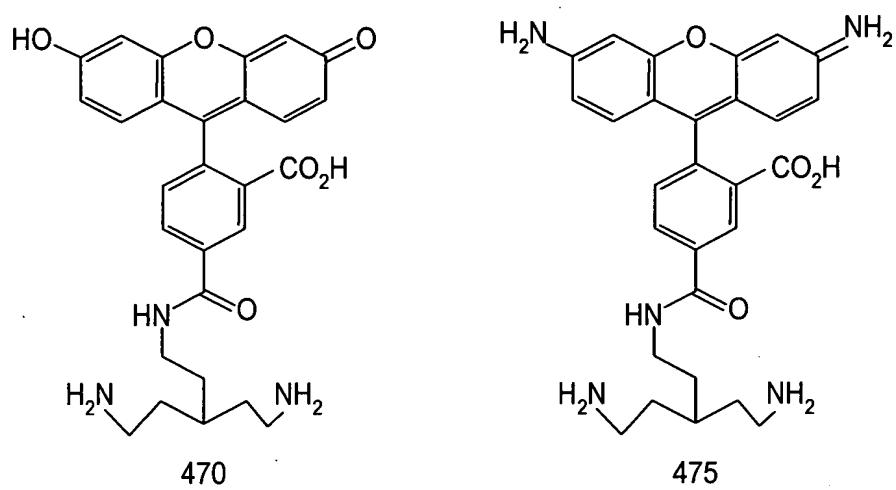
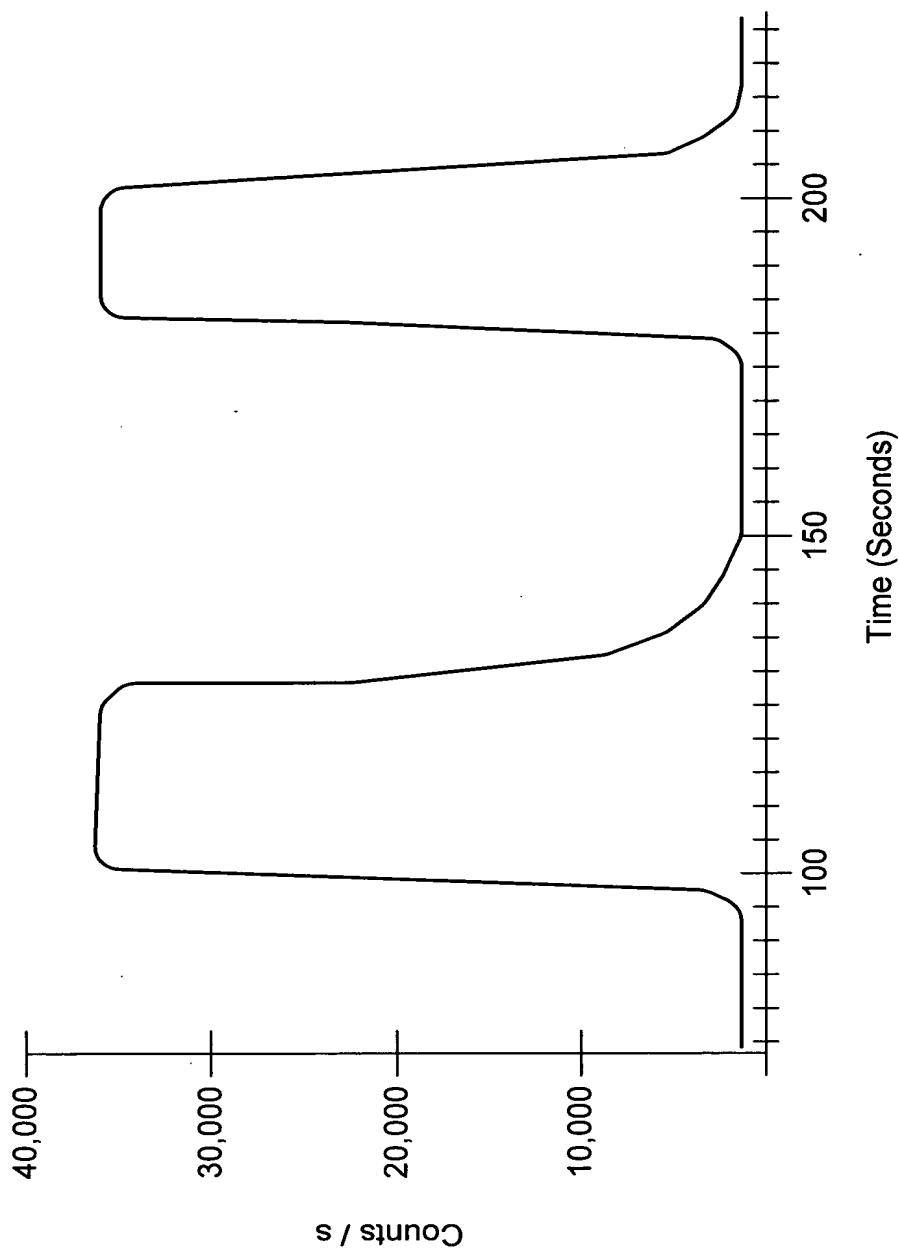


FIG. 14

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FIG. 15



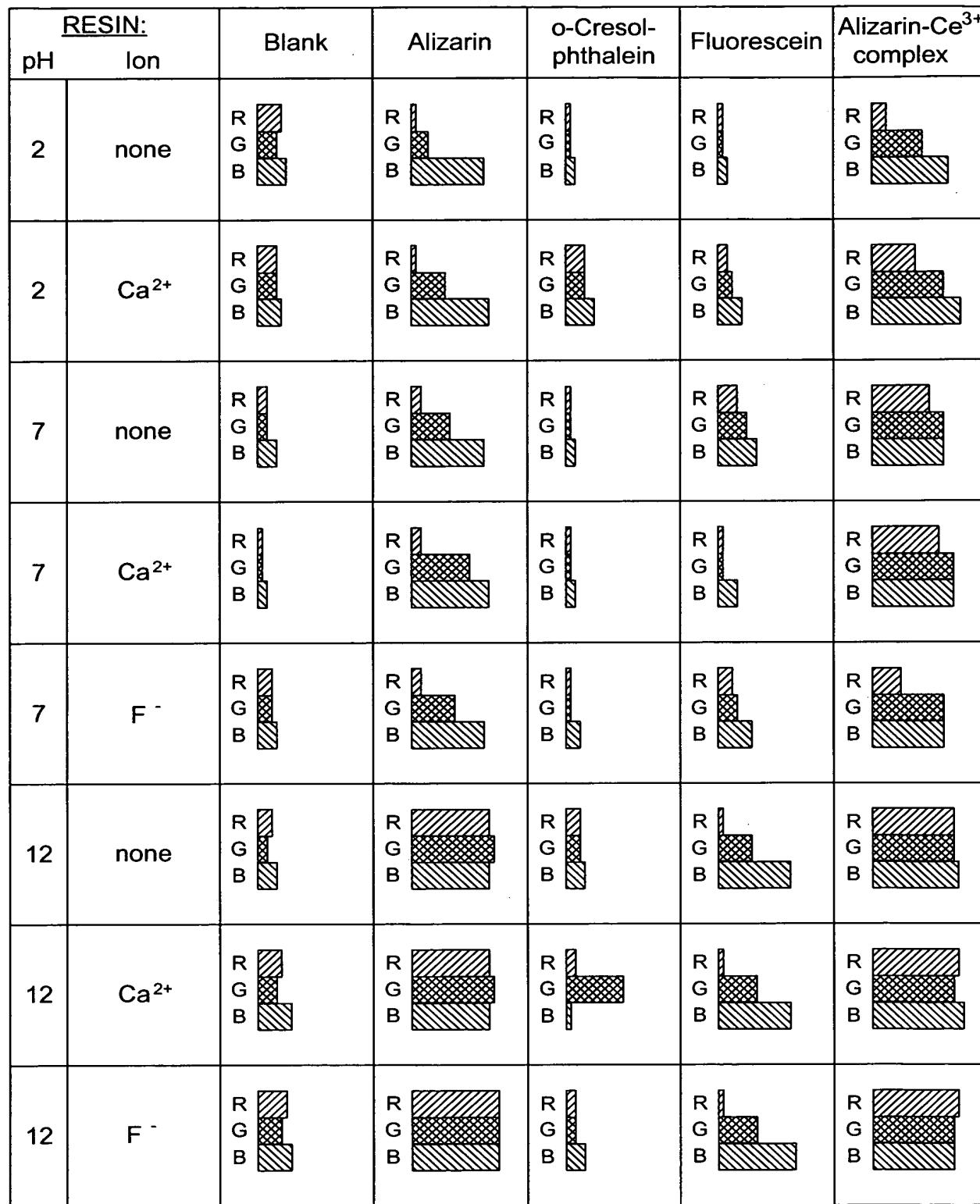


FIG. 16

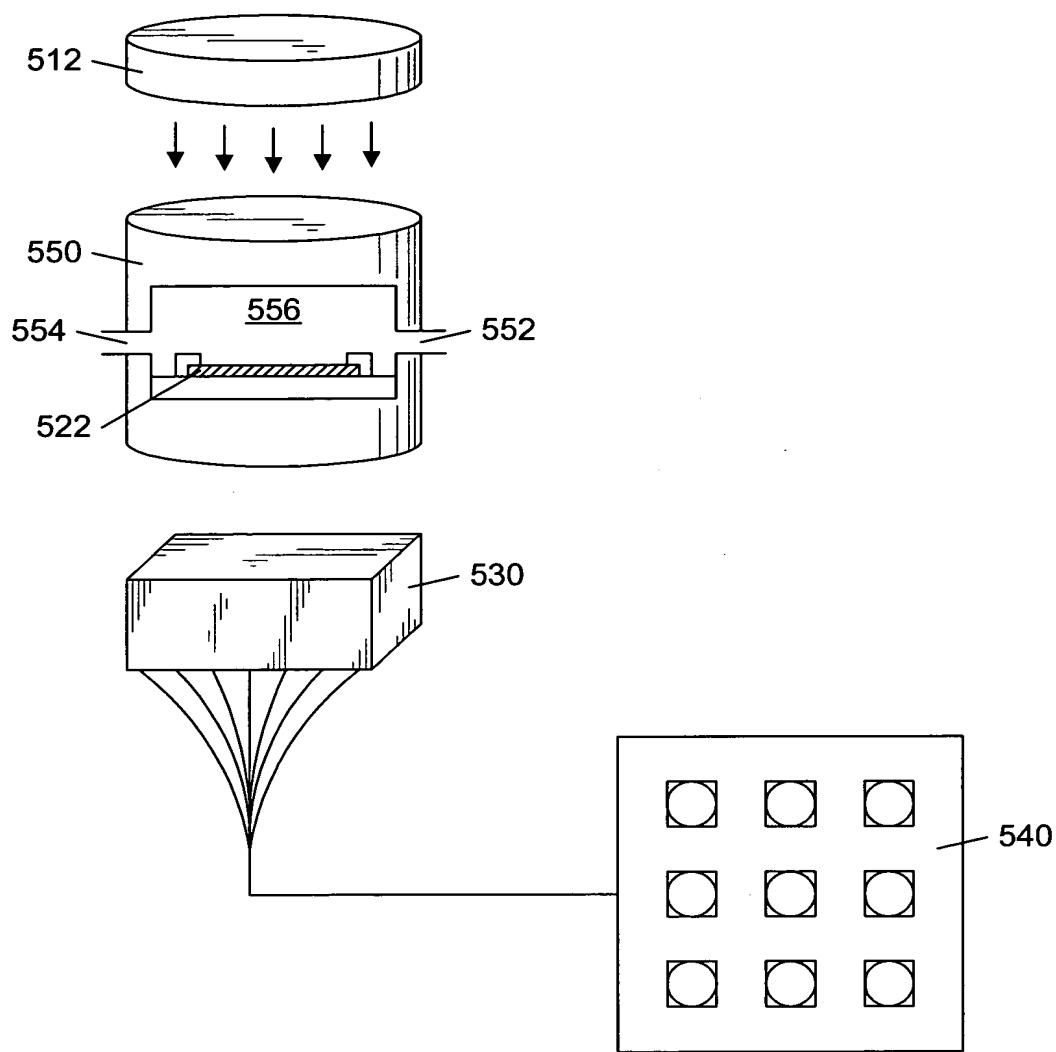


FIG. 17

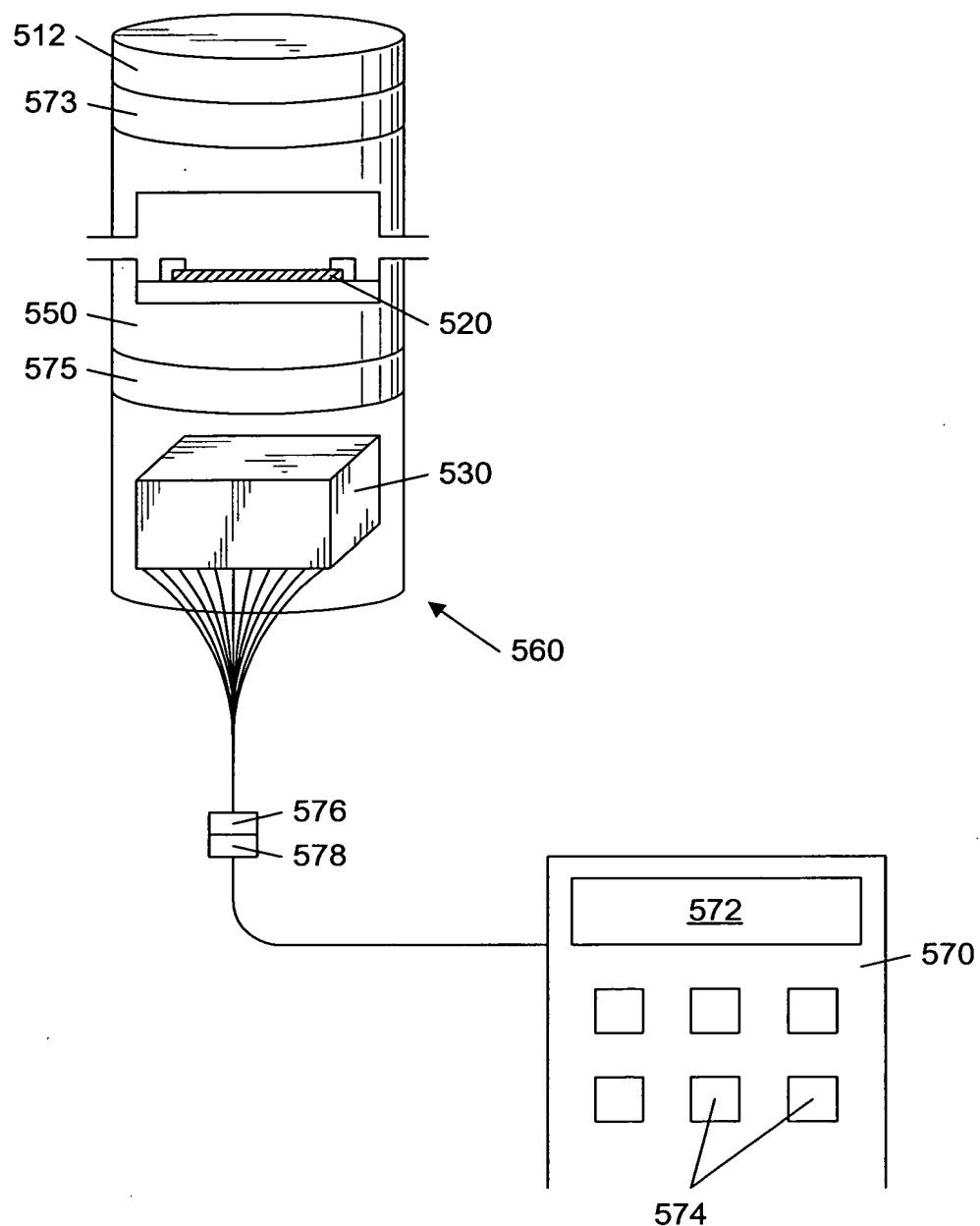


FIG. 18

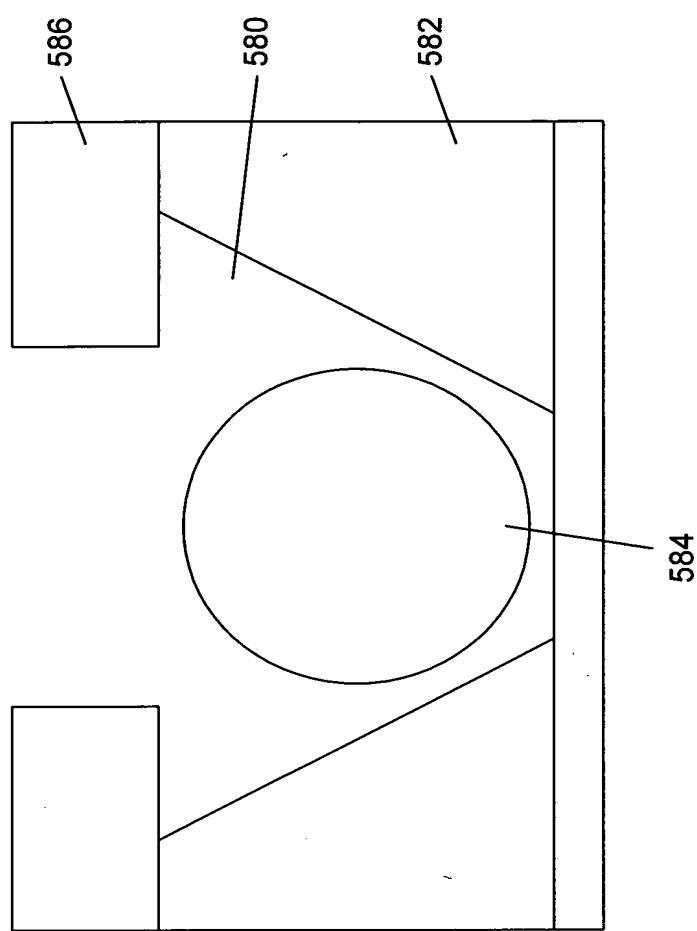
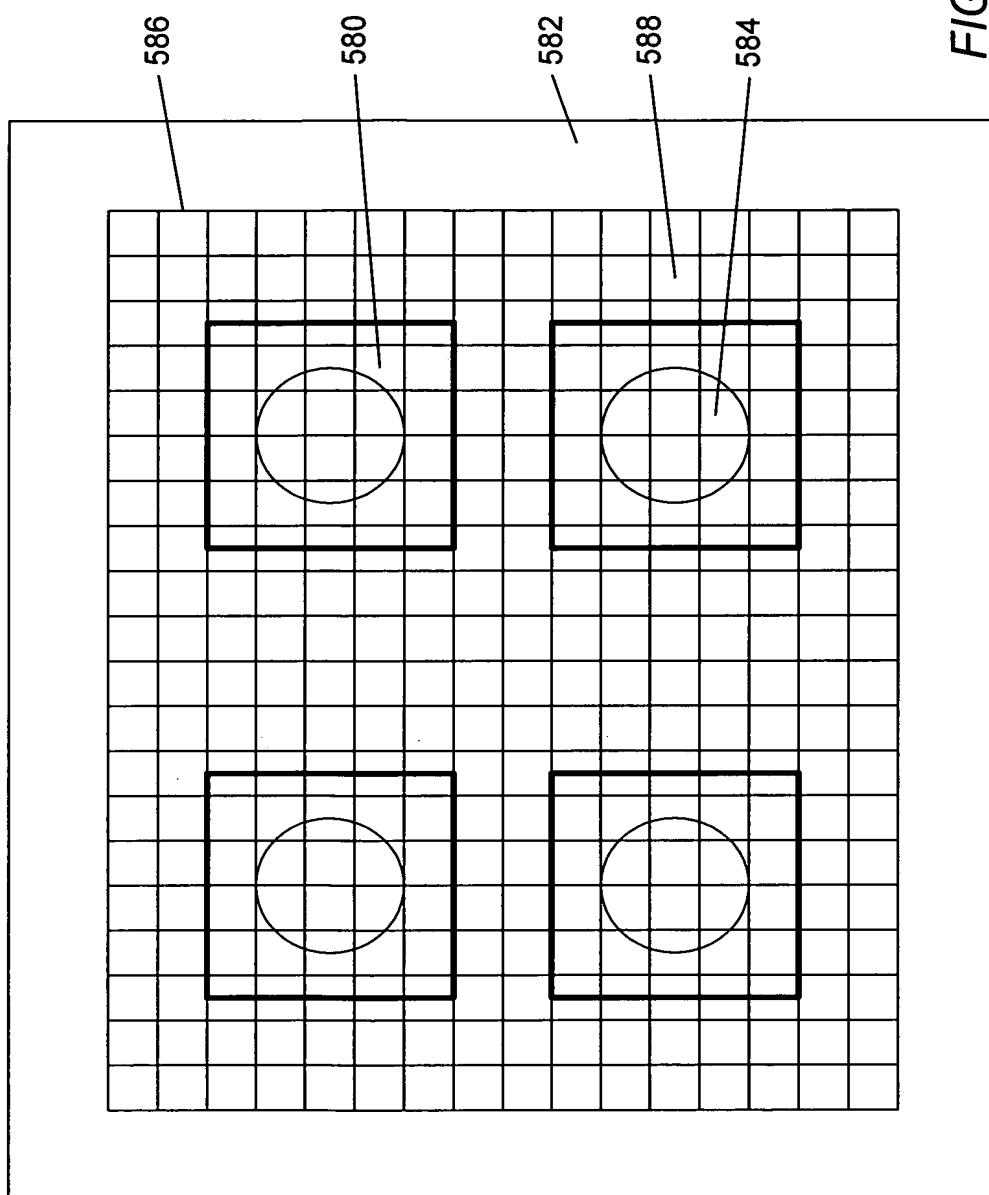


FIG. 19

FIG. 20



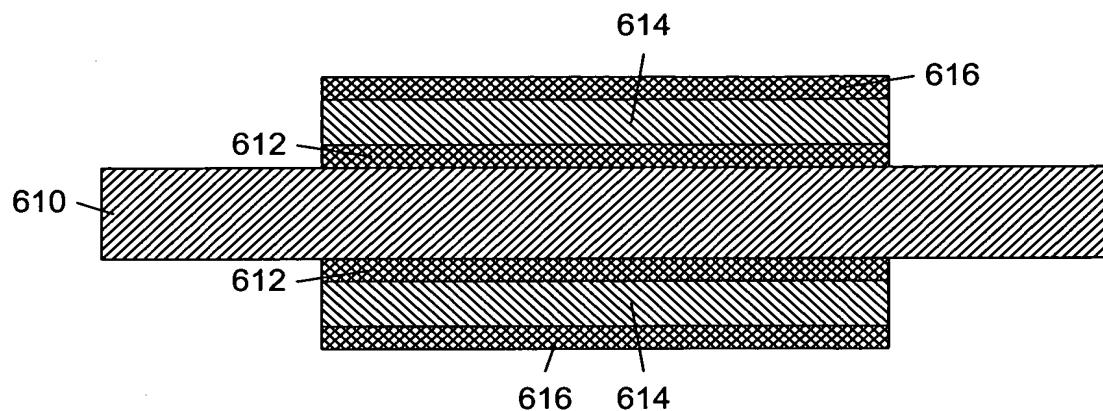


FIG. 21A

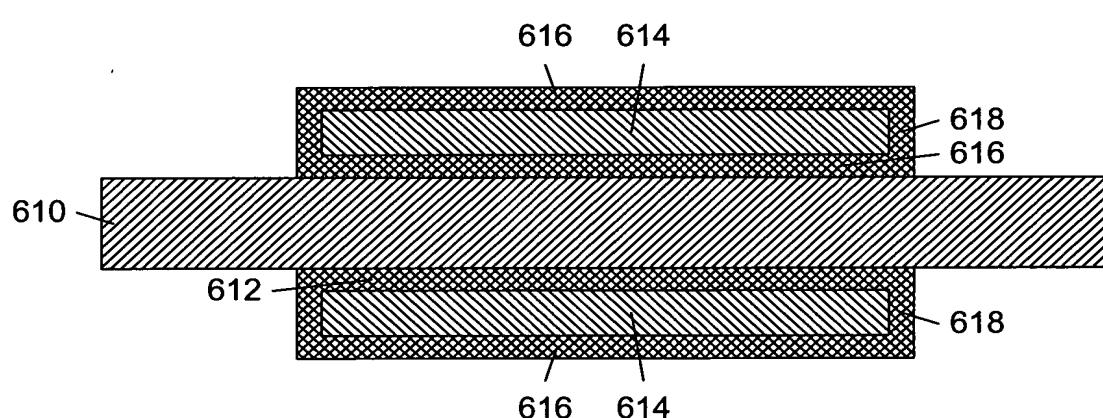


FIG. 21B

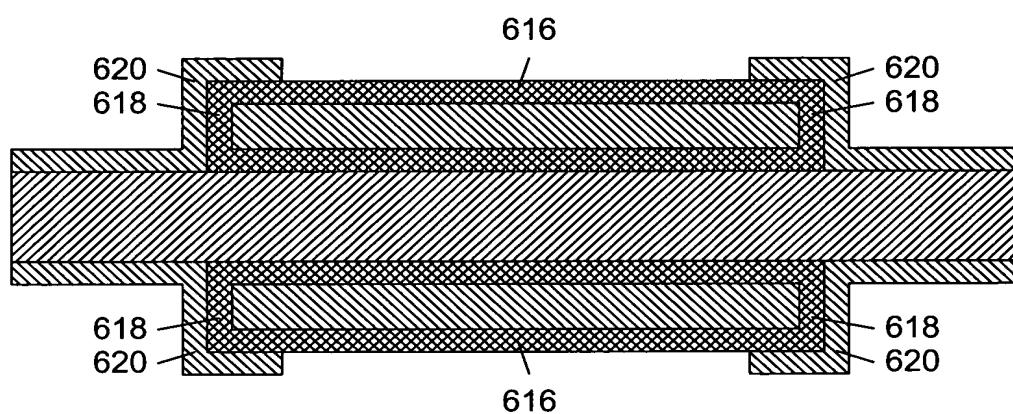


FIG. 21C

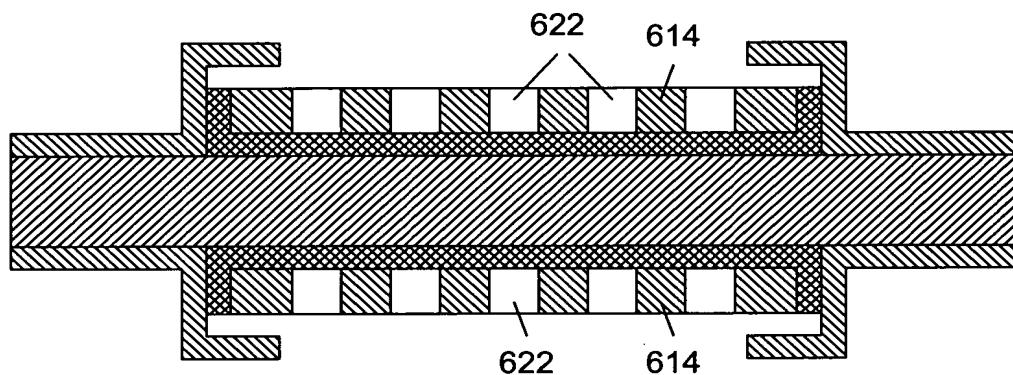


FIG. 21D

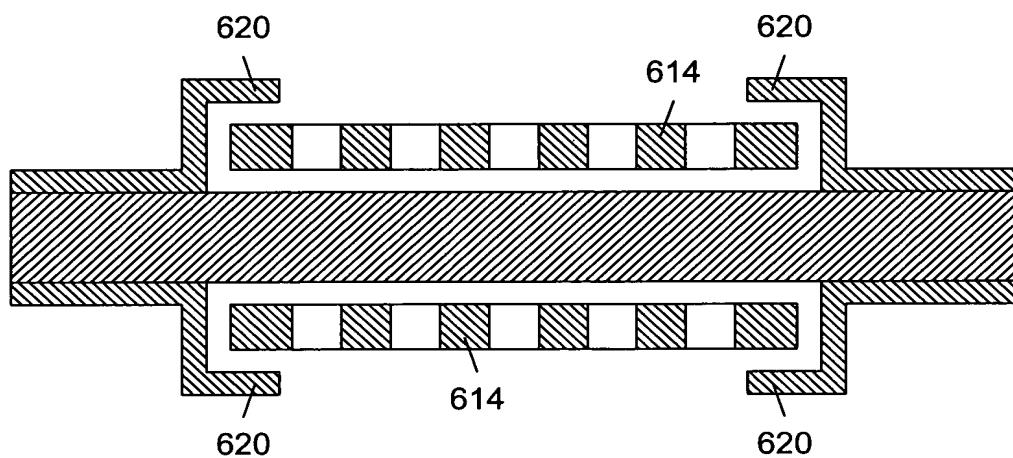
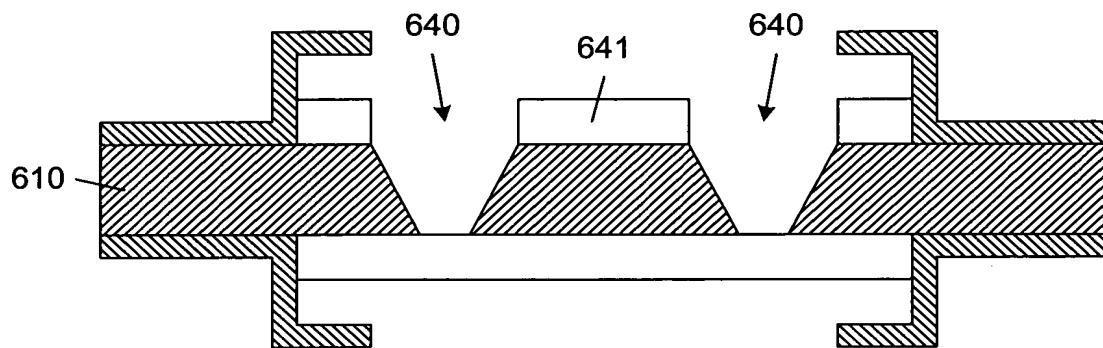
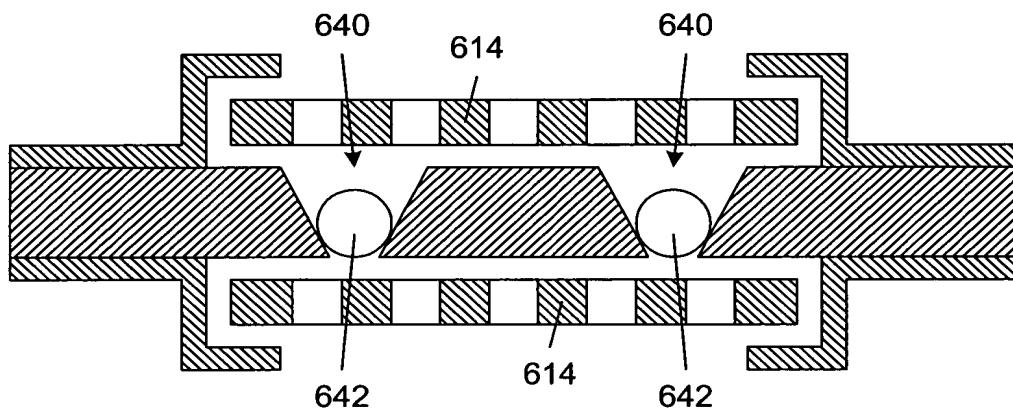


FIG. 21E



*FIG. 21F*



*FIG. 21G*

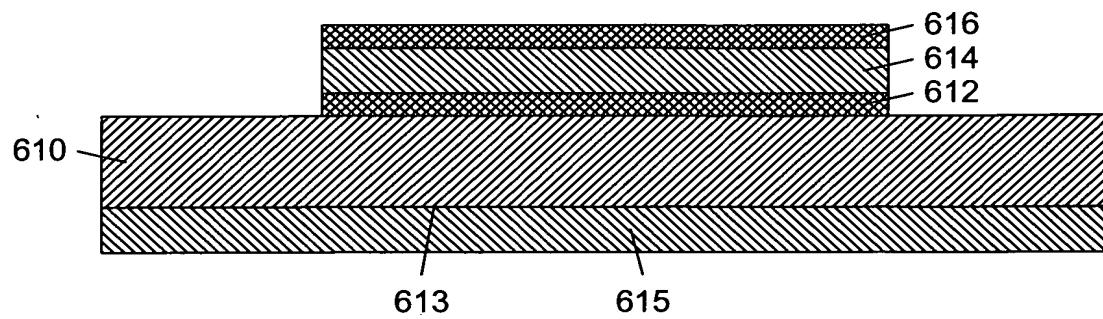


FIG. 22A

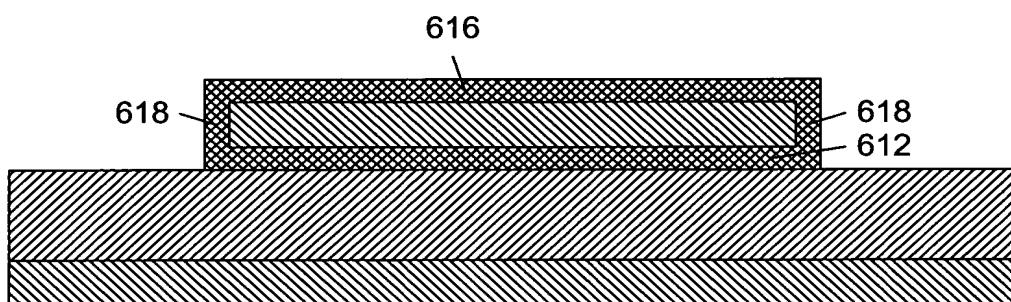


FIG. 22B

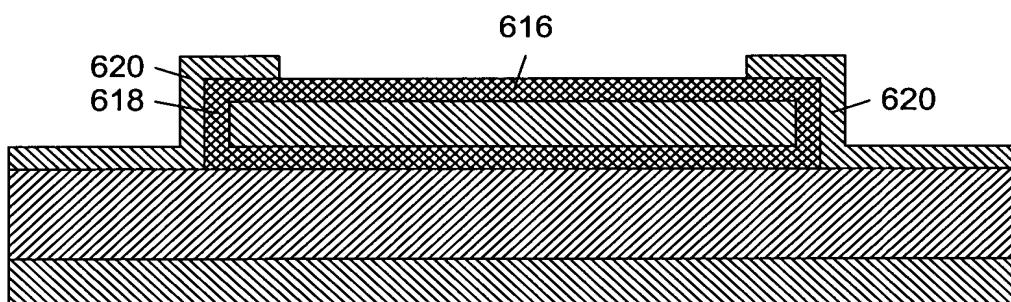
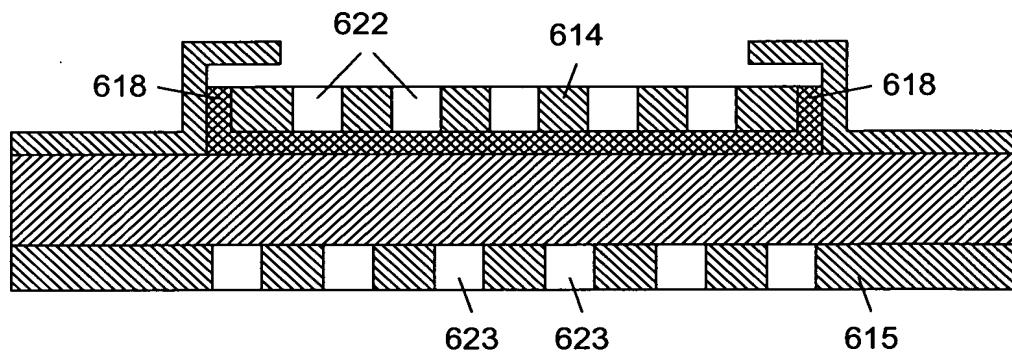
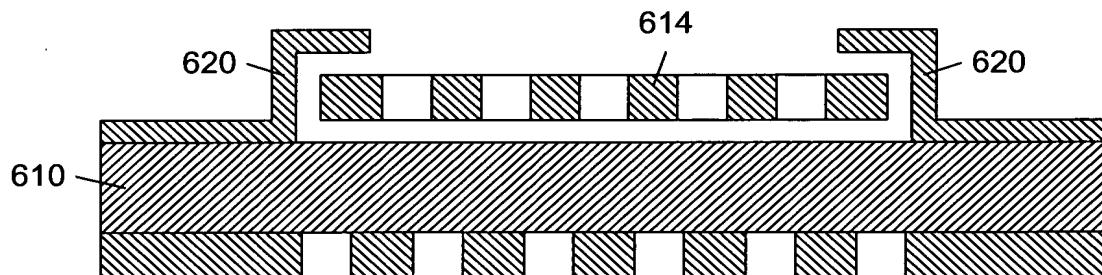


FIG. 22C



*FIG. 22D*



*FIG. 22E*

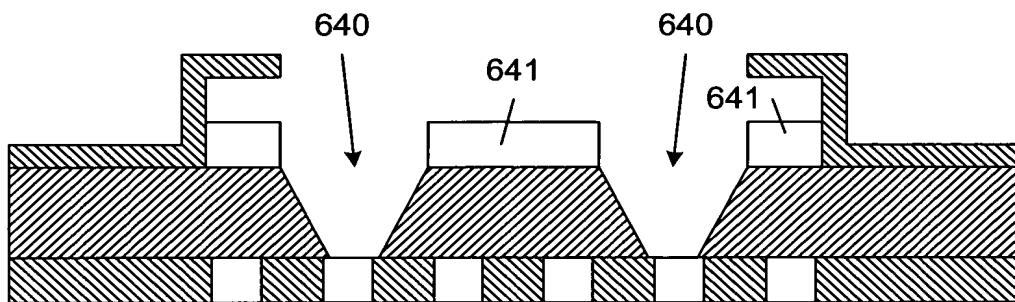


FIG. 22F

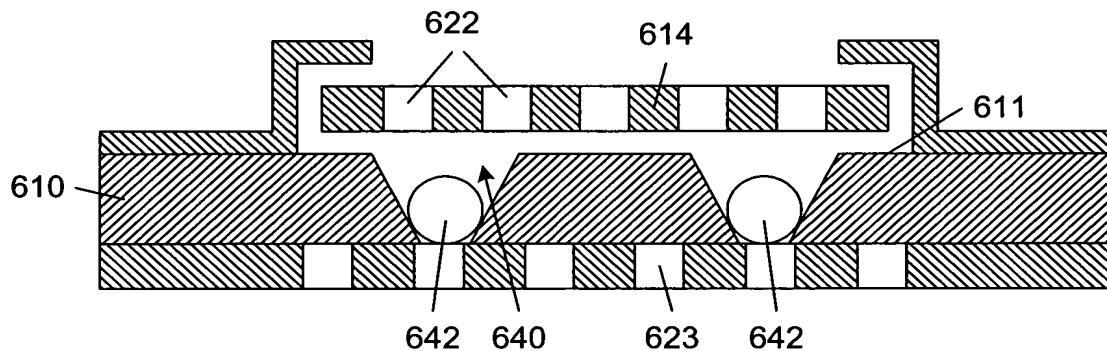
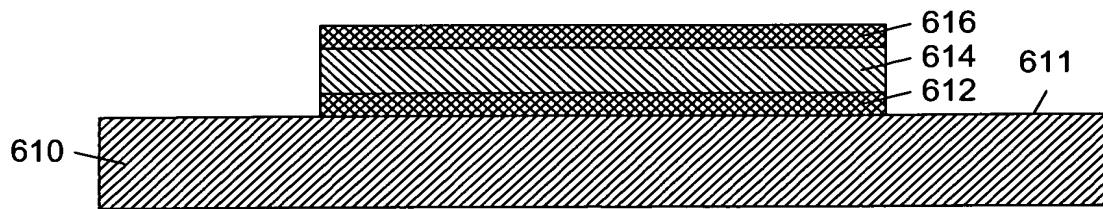
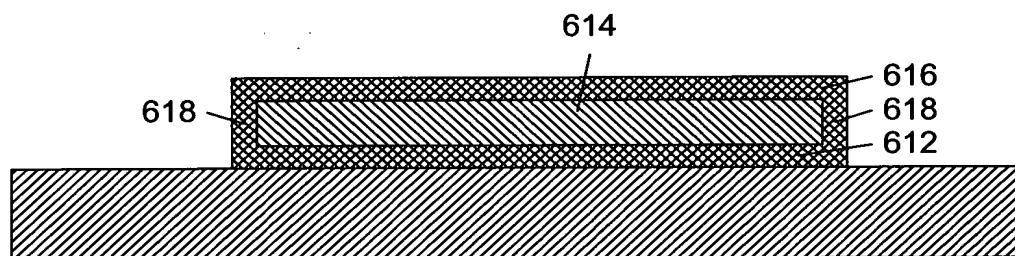


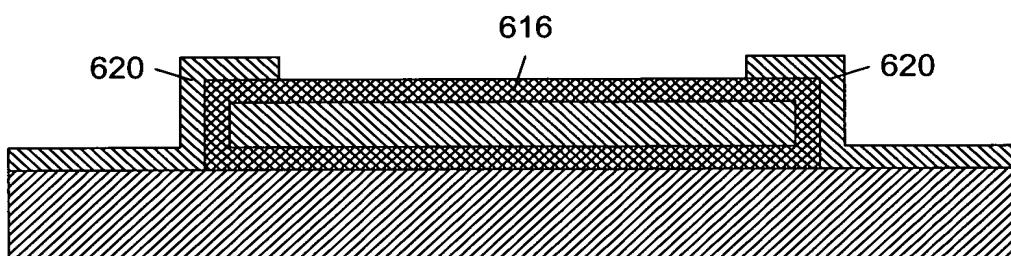
FIG. 22G



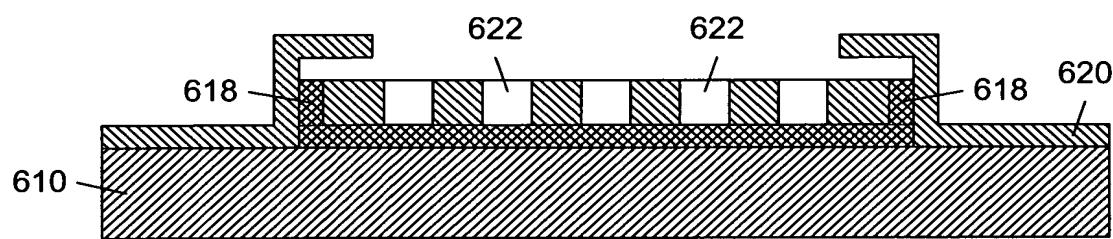
*FIG. 23A*



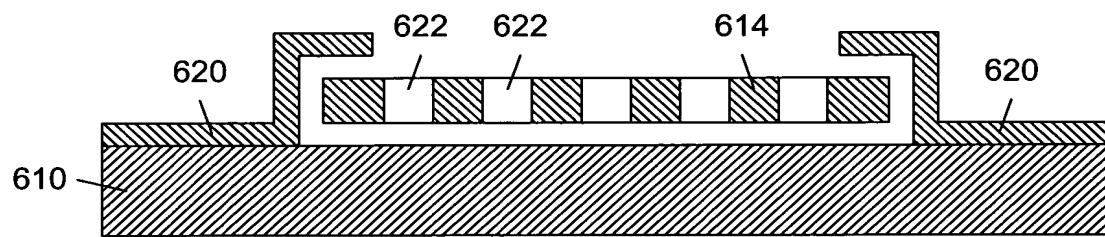
*FIG. 23B*



*FIG. 23C*



*FIG. 23D*



*FIG. 23E*

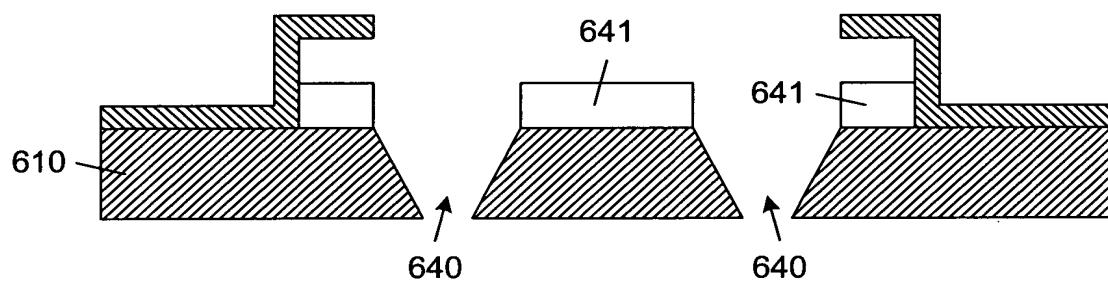


FIG. 23F

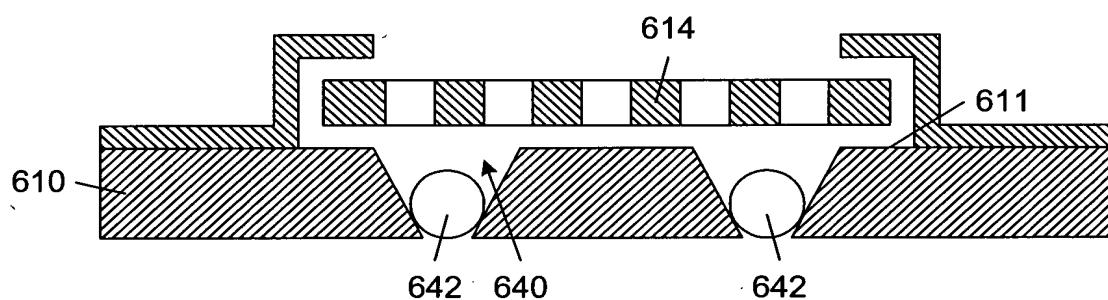


FIG. 23G

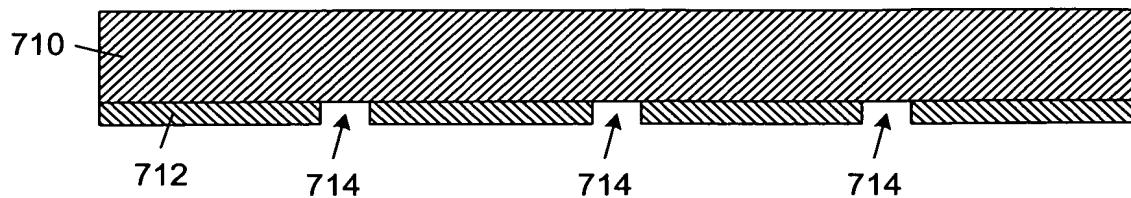


FIG. 24A

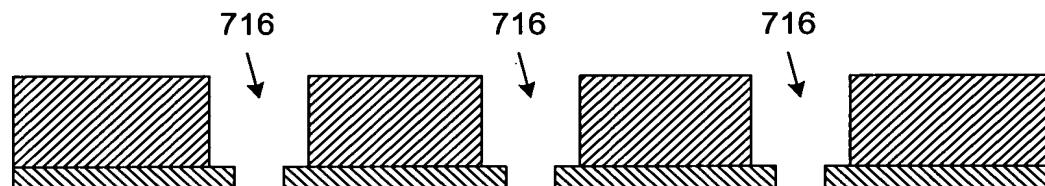


FIG. 24B

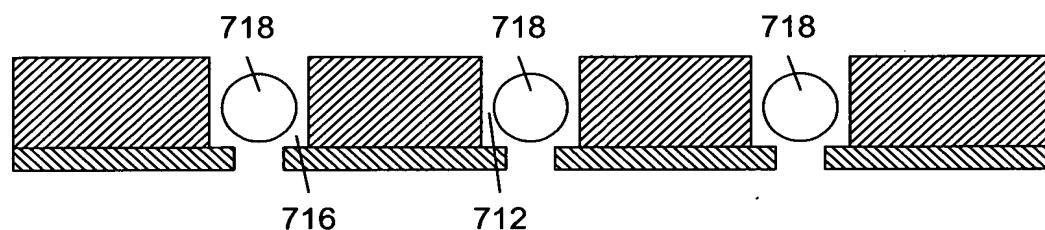


FIG. 24C

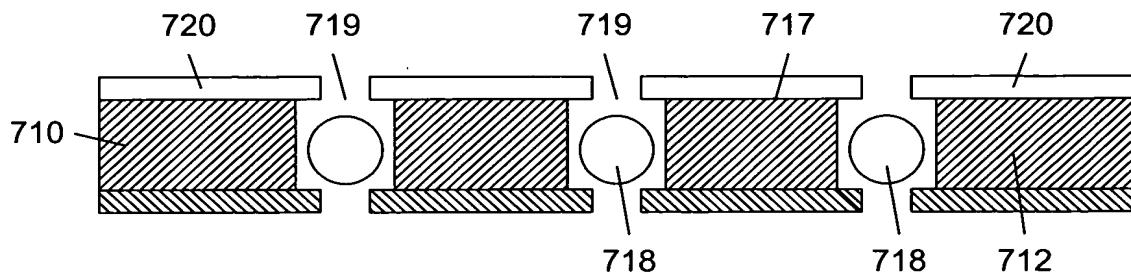


FIG. 24D

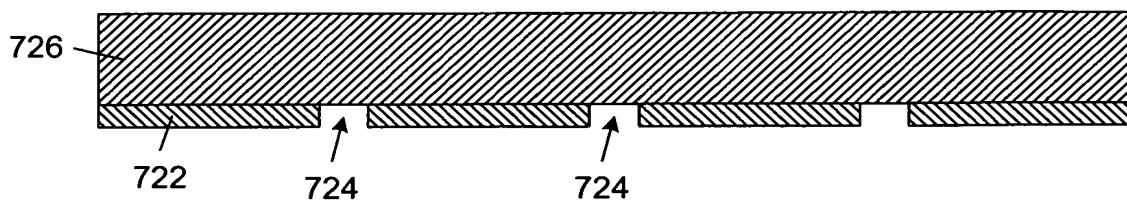


FIG. 25A

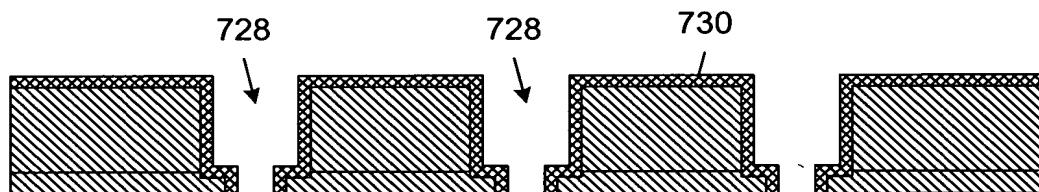


FIG. 25B

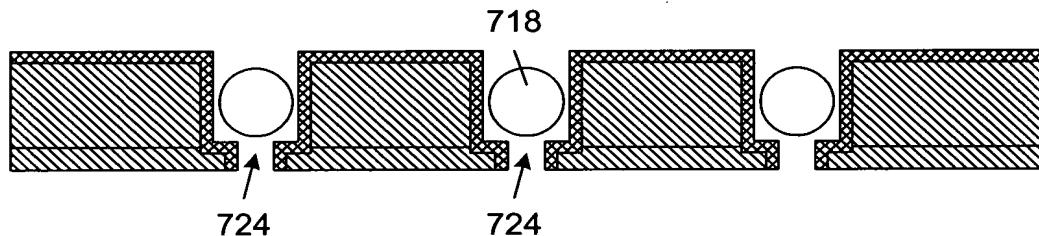


FIG. 25C

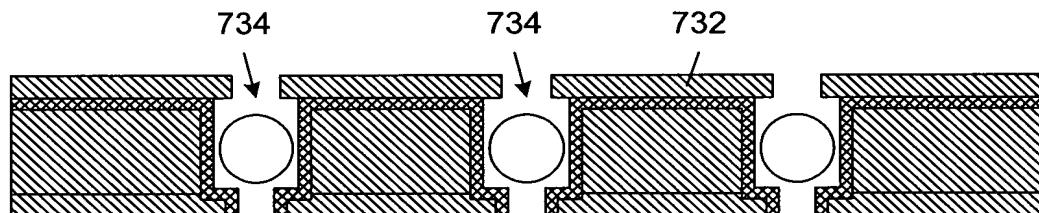


FIG. 25D

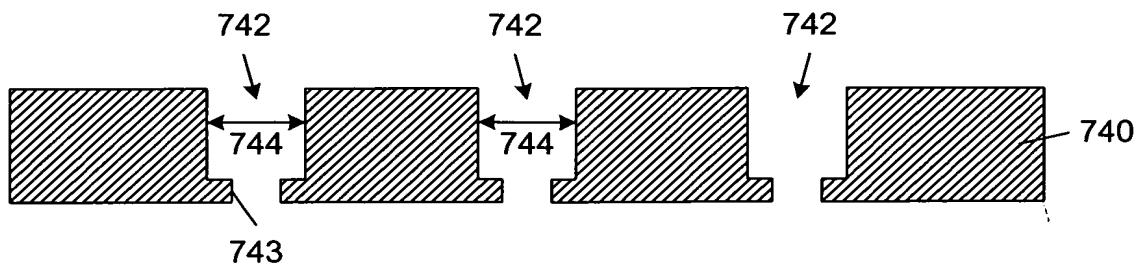


FIG. 26A

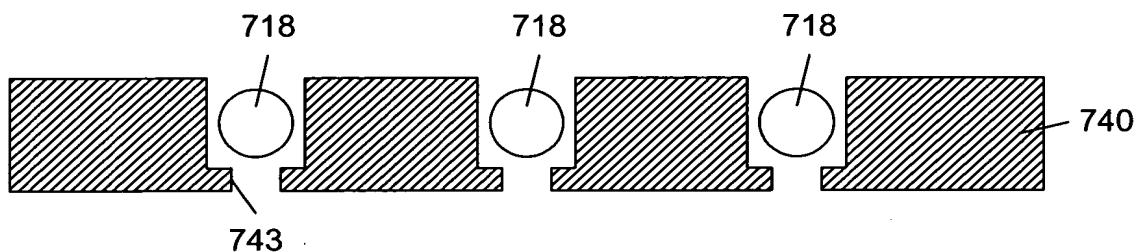


FIG. 26B

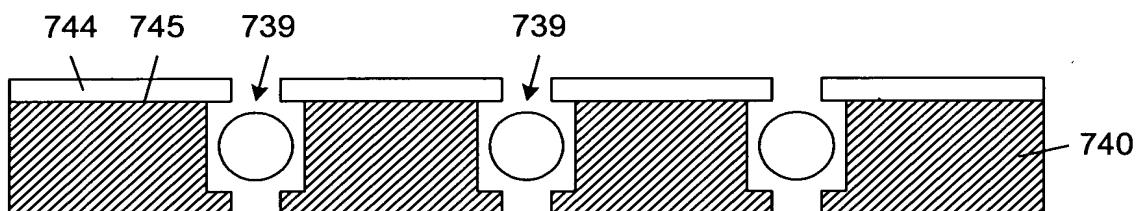


FIG. 26C

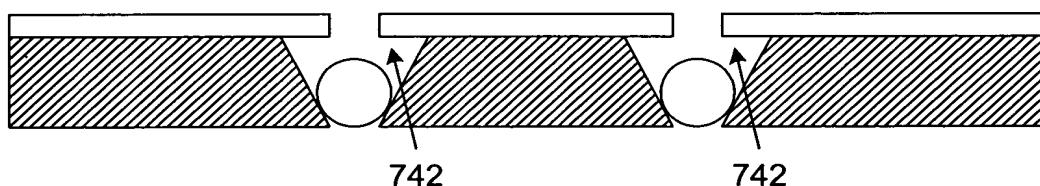


FIG. 26D

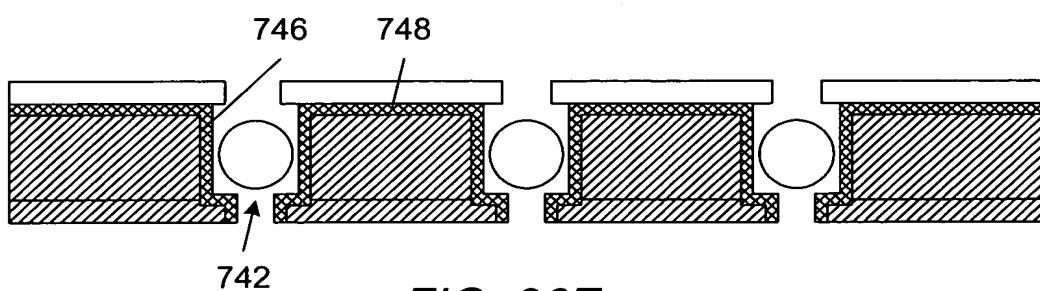


FIG. 26E

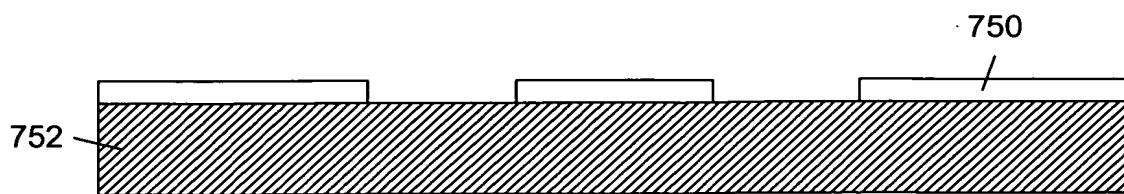


FIG. 27A

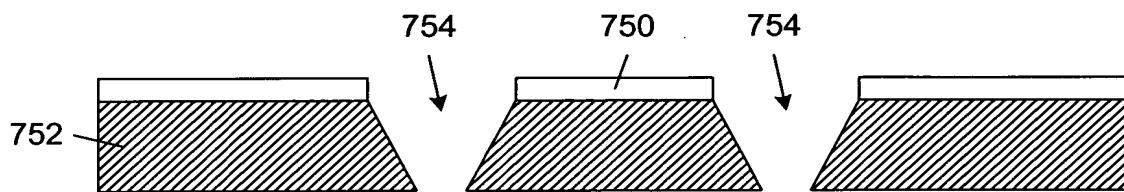


FIG. 27B

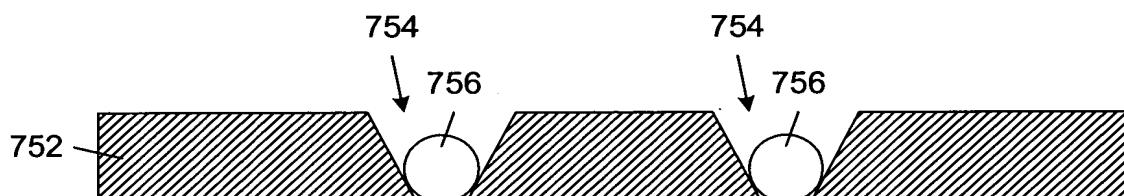


FIG. 27C

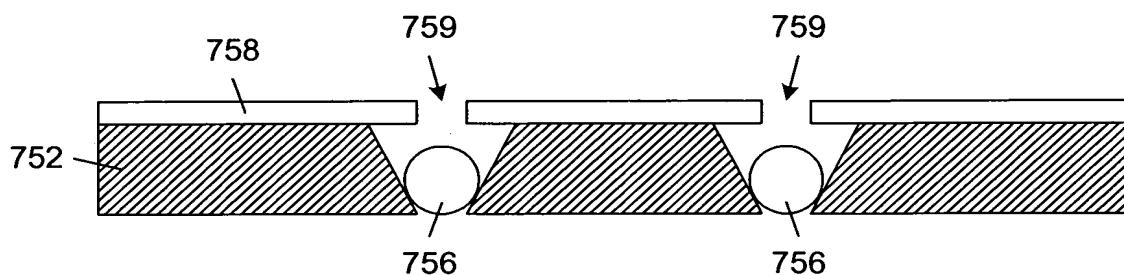
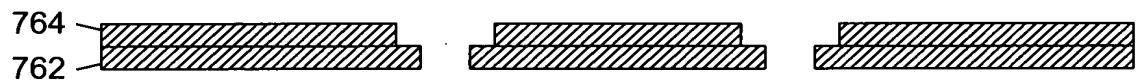


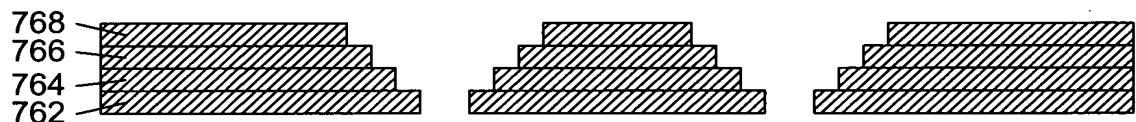
FIG. 27D



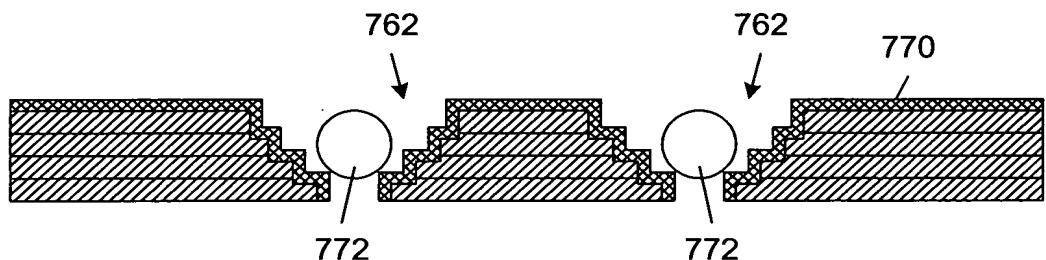
*FIG. 28A*



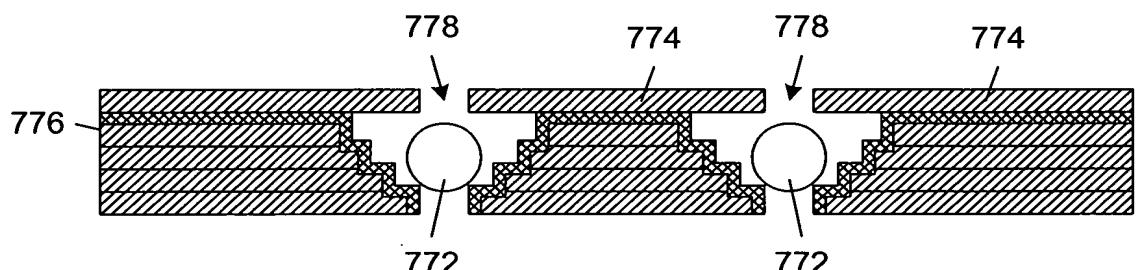
*FIG. 28B*



*FIG. 28C*



*FIG. 28D*



*FIG. 28E*



FIG. 29A

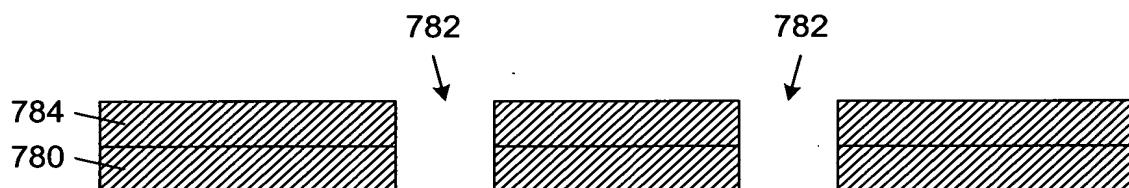


FIG. 29B

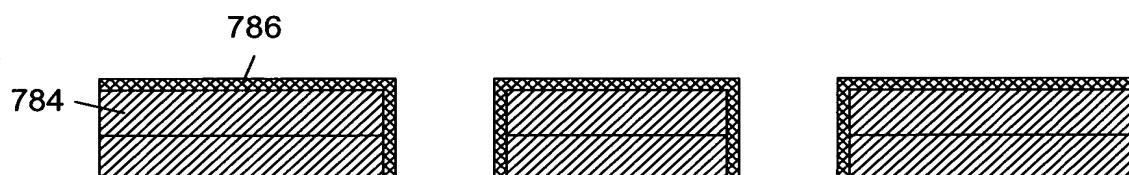


FIG. 29C

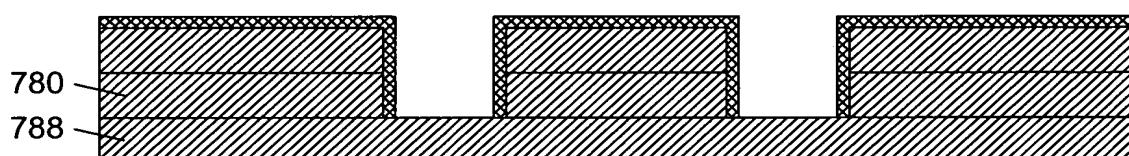


FIG. 29D

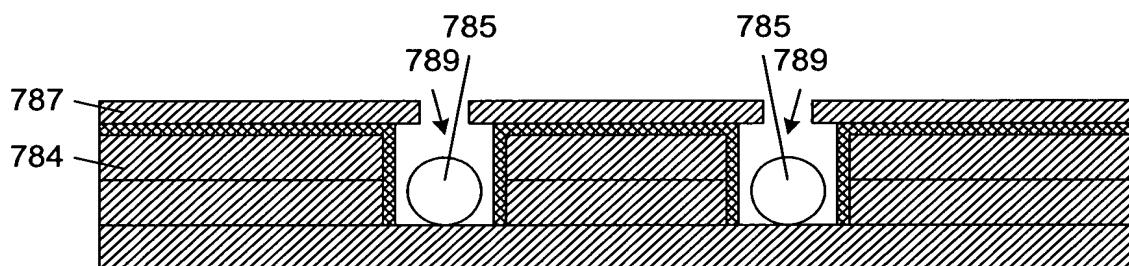


FIG. 29E

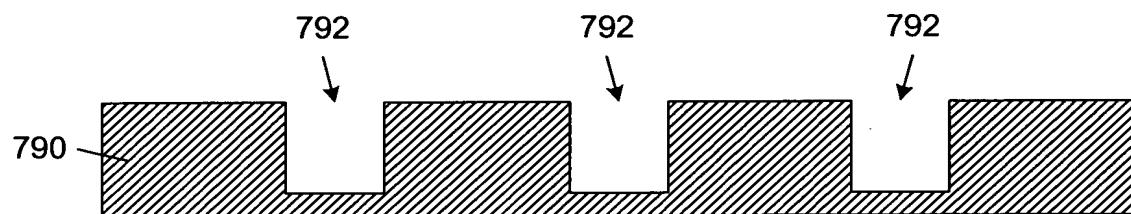


FIG. 30A

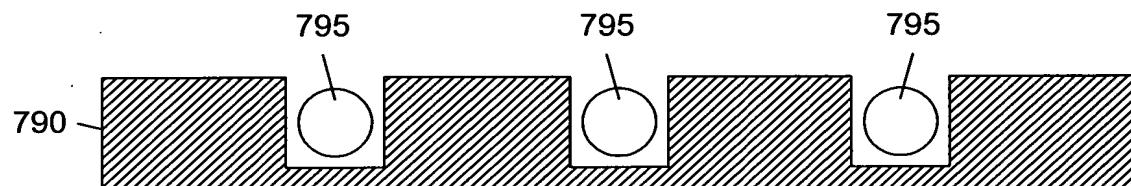


FIG. 30B

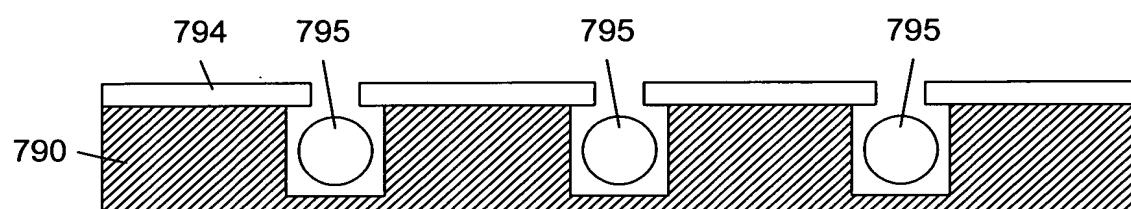


FIG. 30C

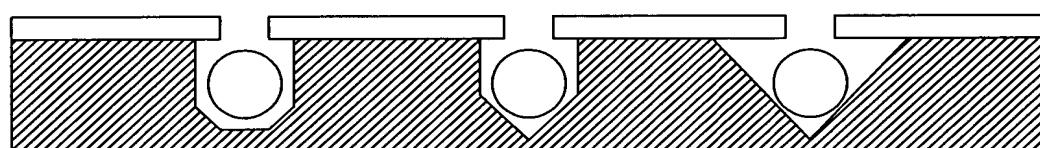


FIG. 30D

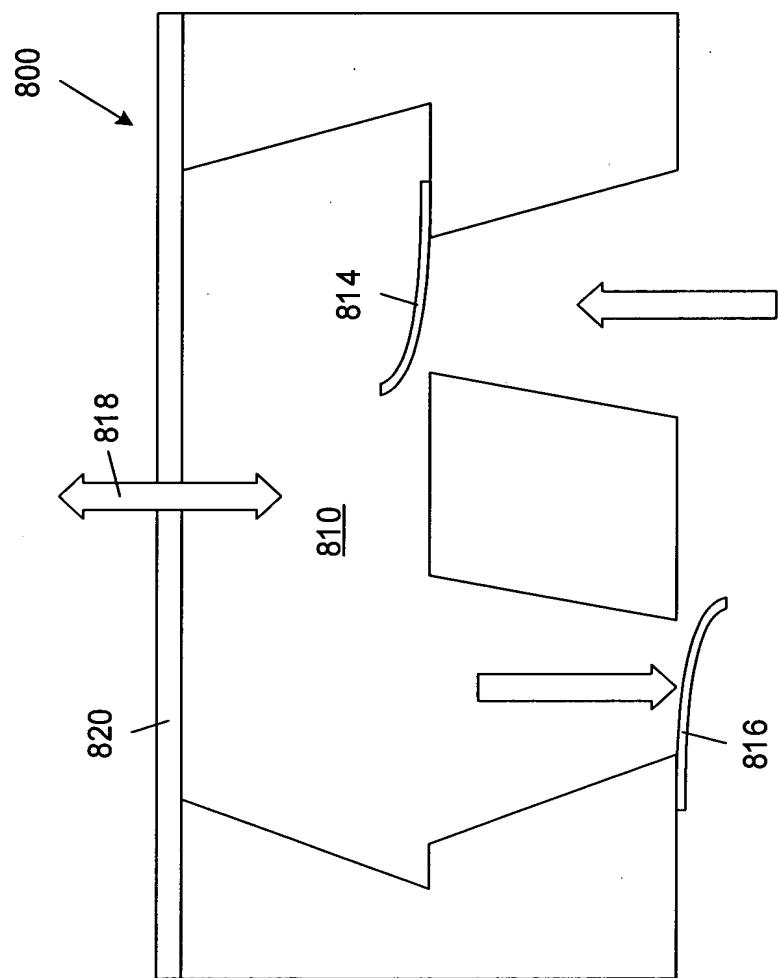


FIG. 31

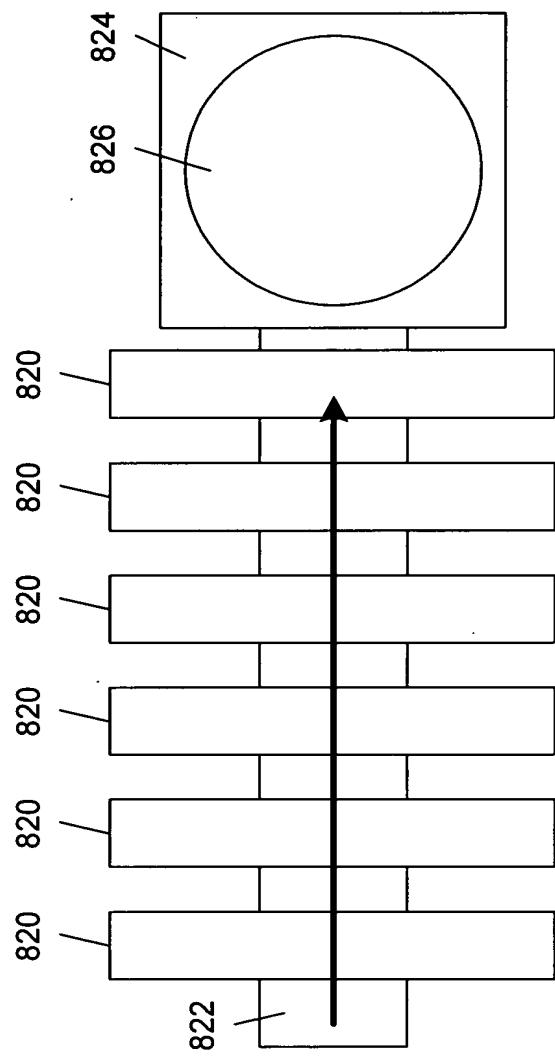


FIG. 32

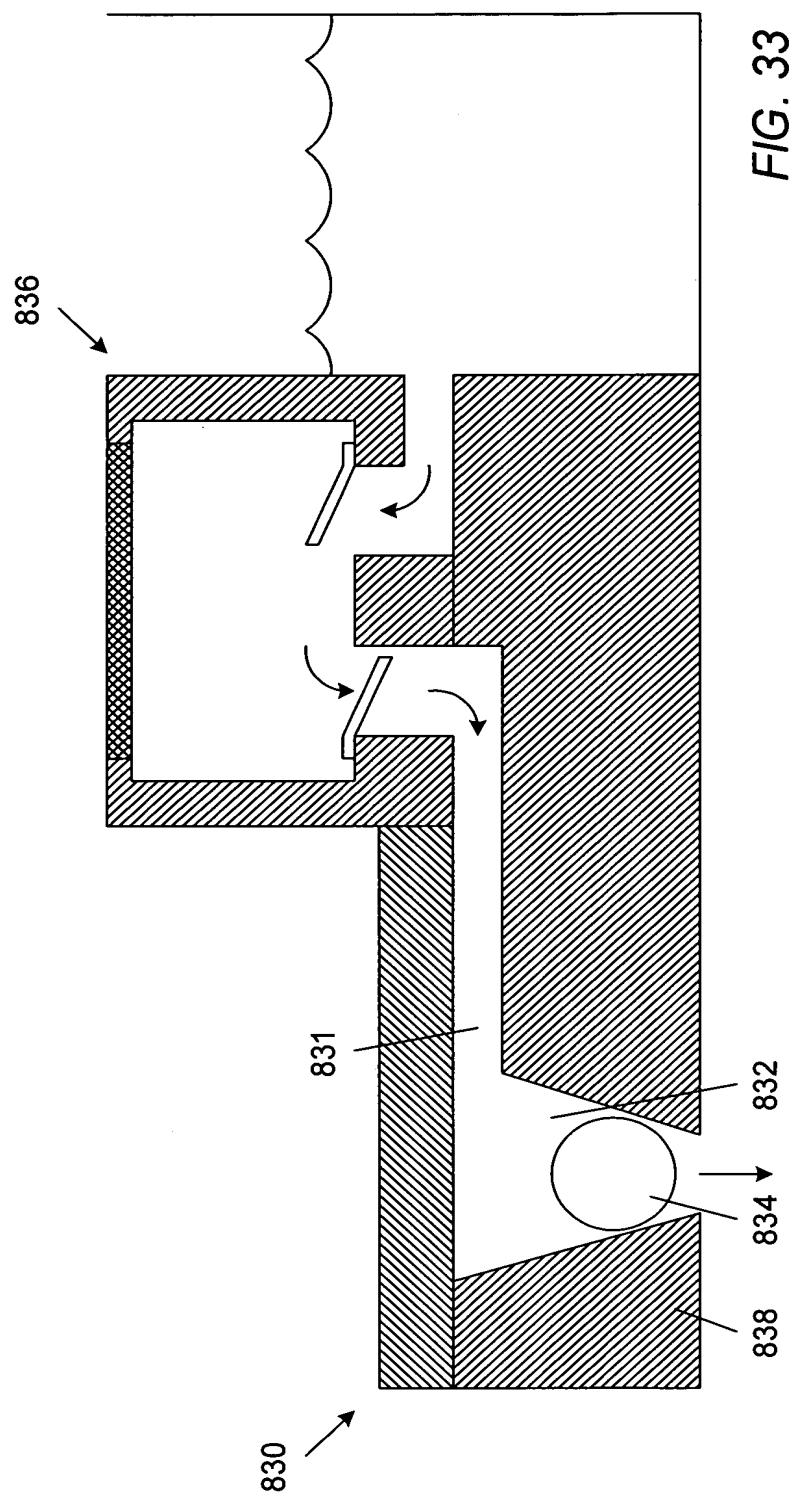
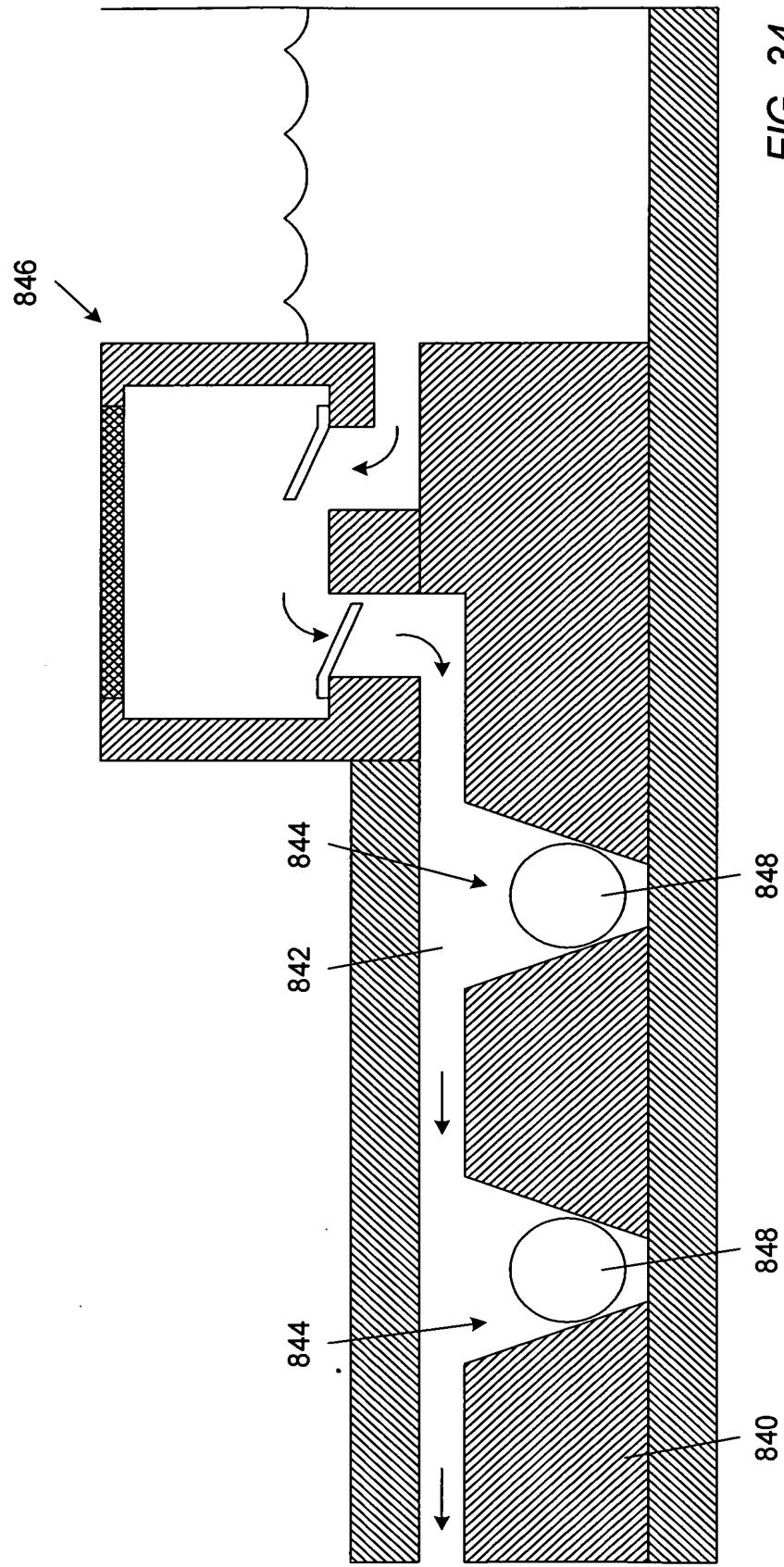


FIG. 34



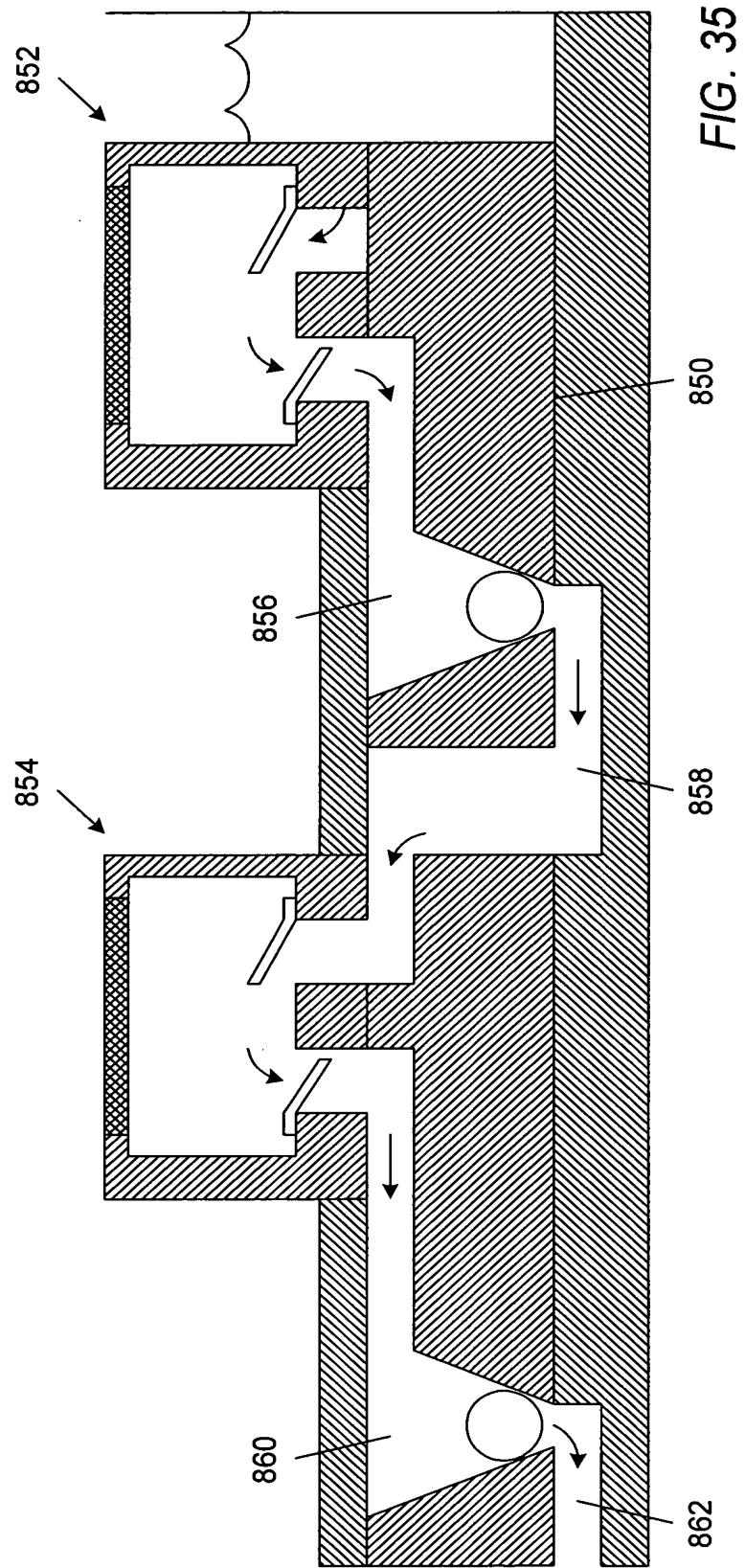


FIG. 35

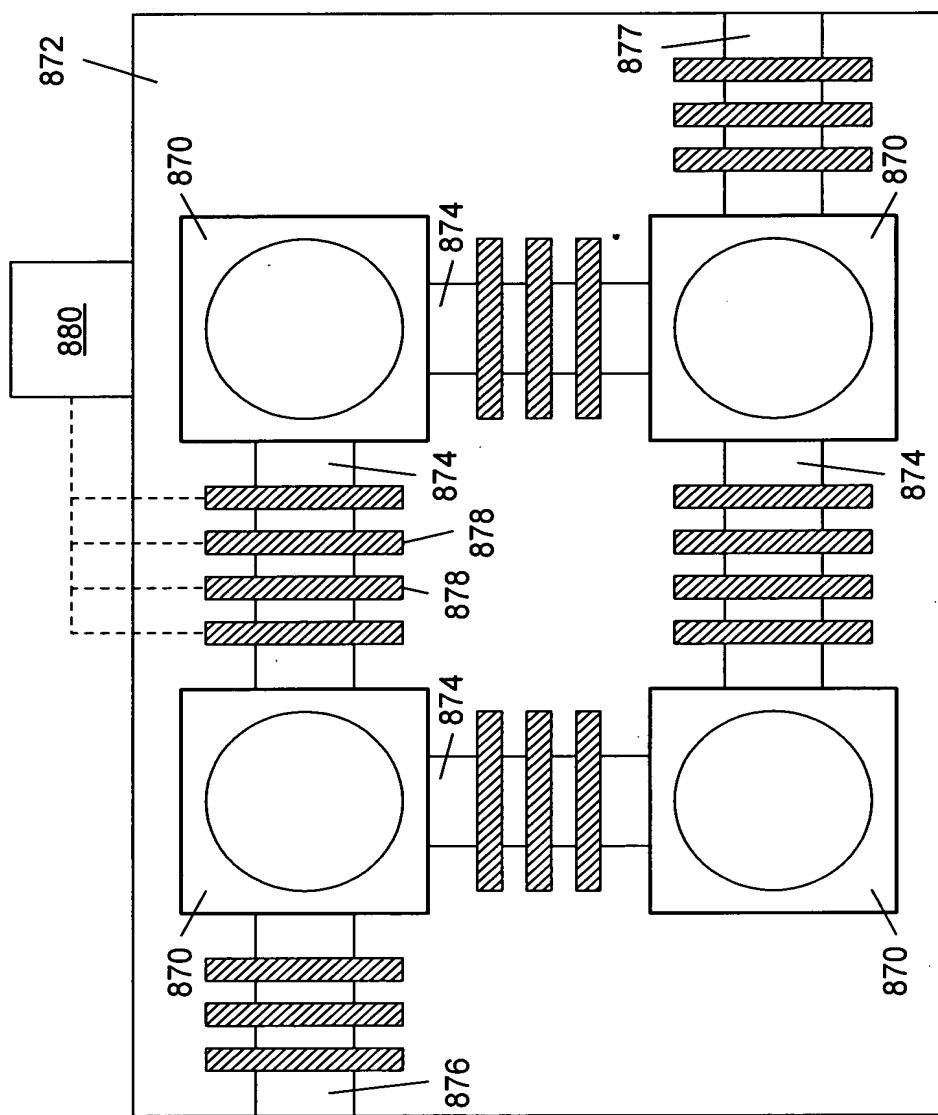


FIG. 36

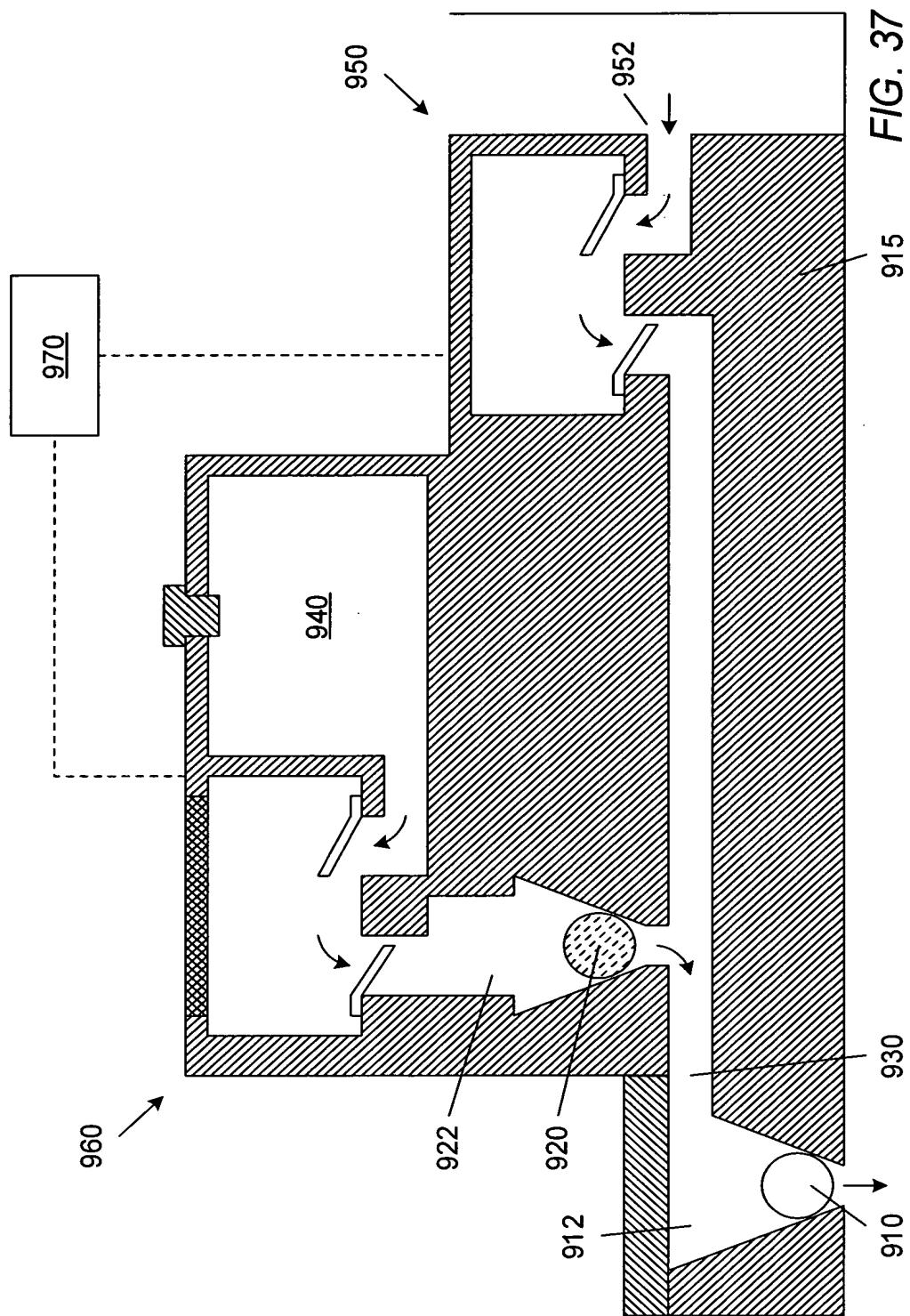


FIG. 38

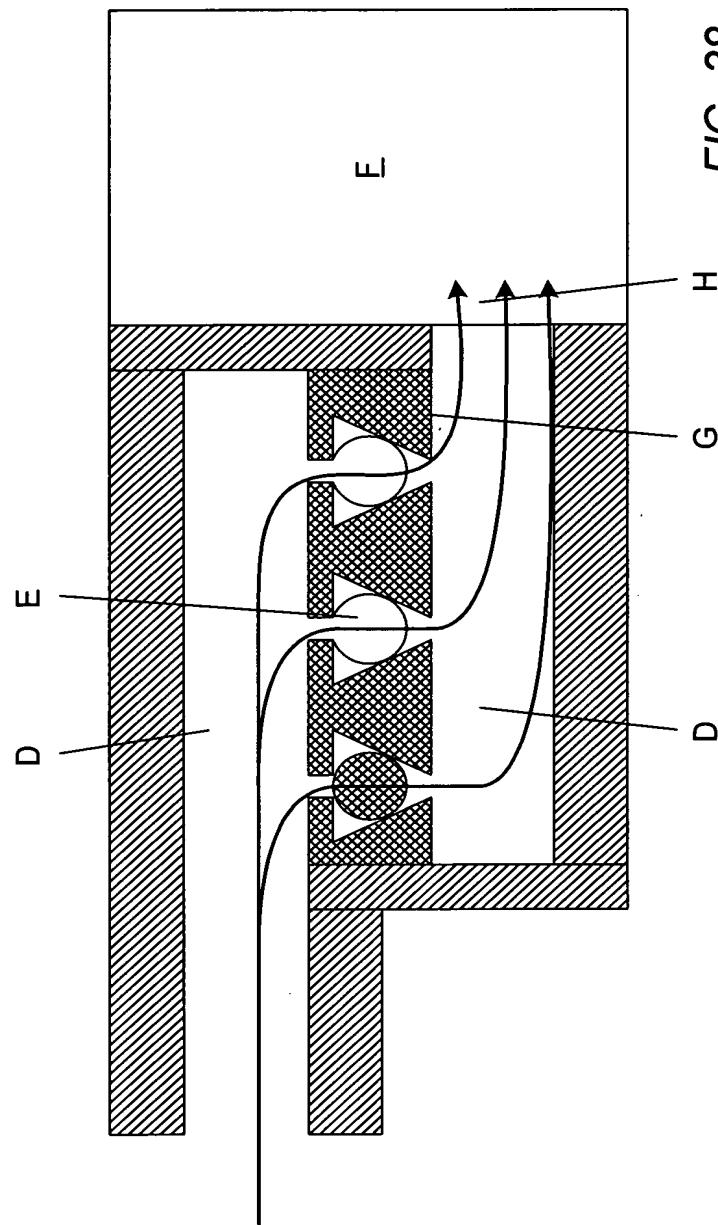
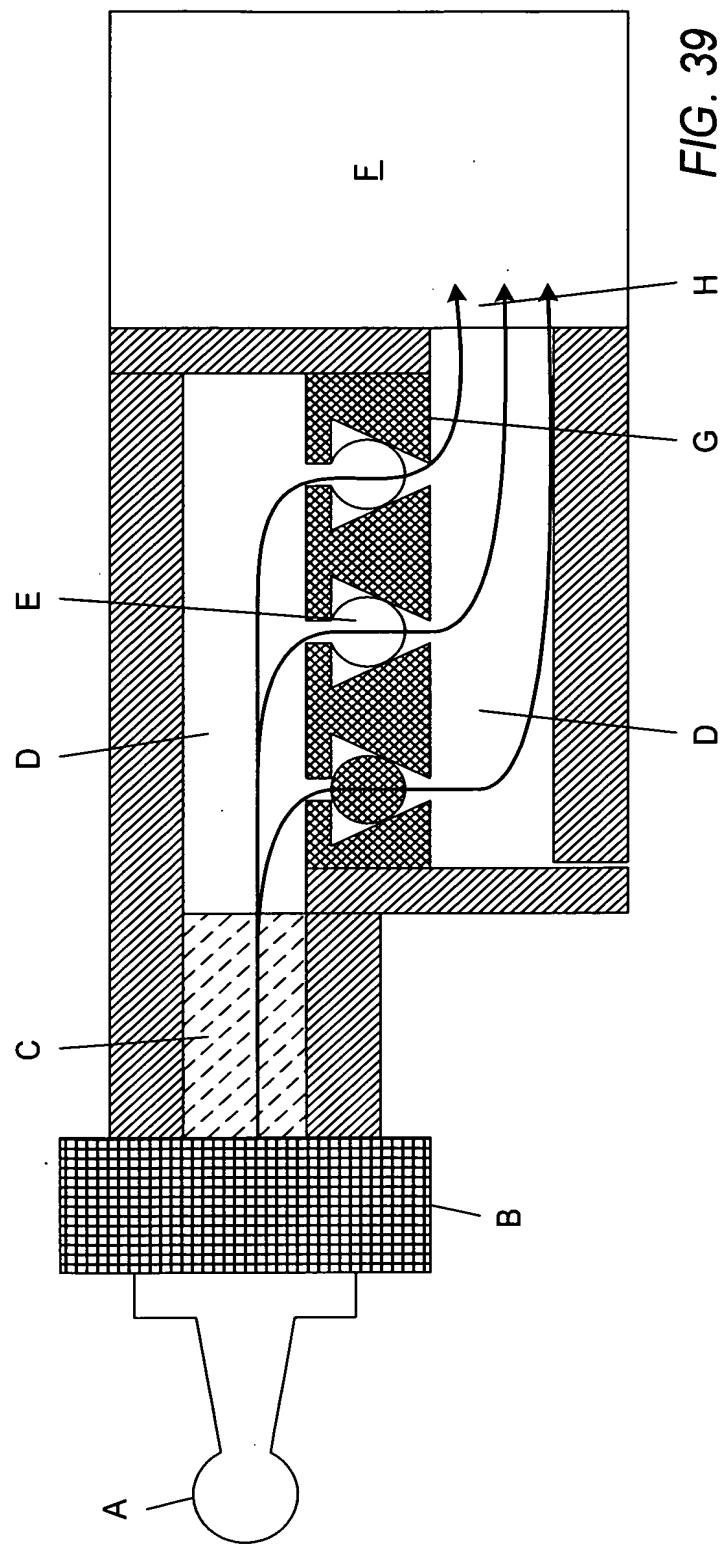


FIG. 39



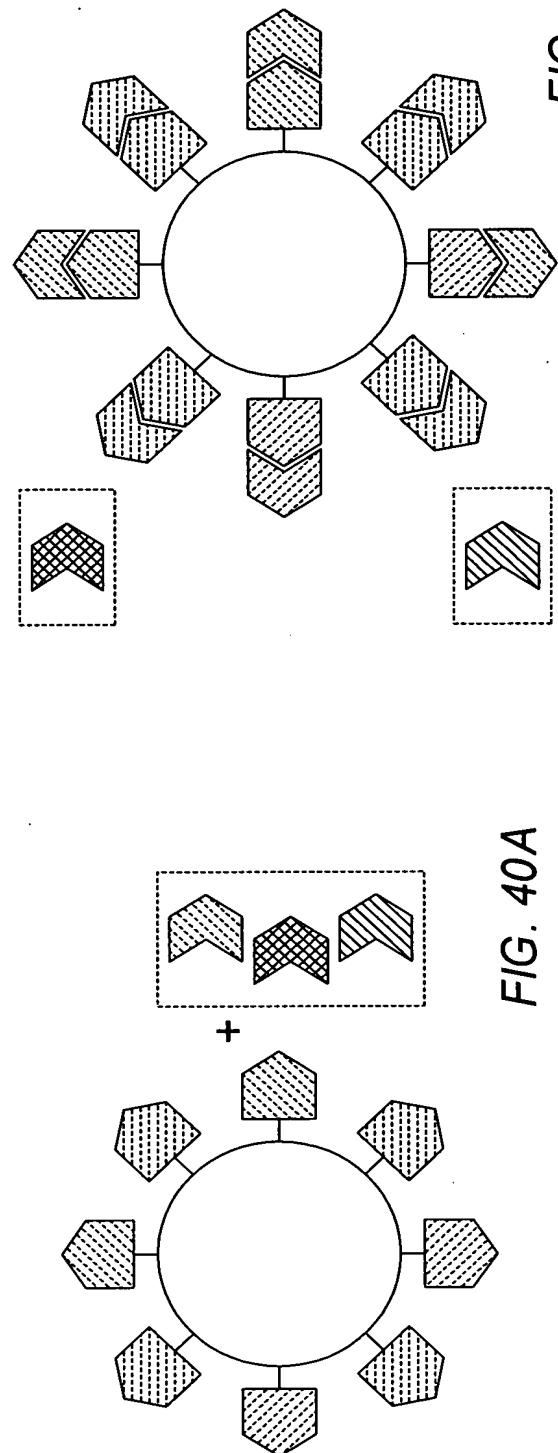


FIG. 40B

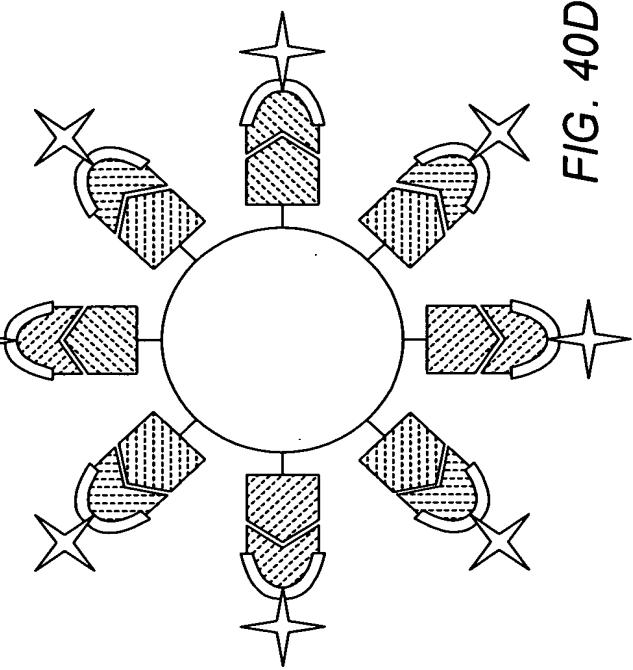
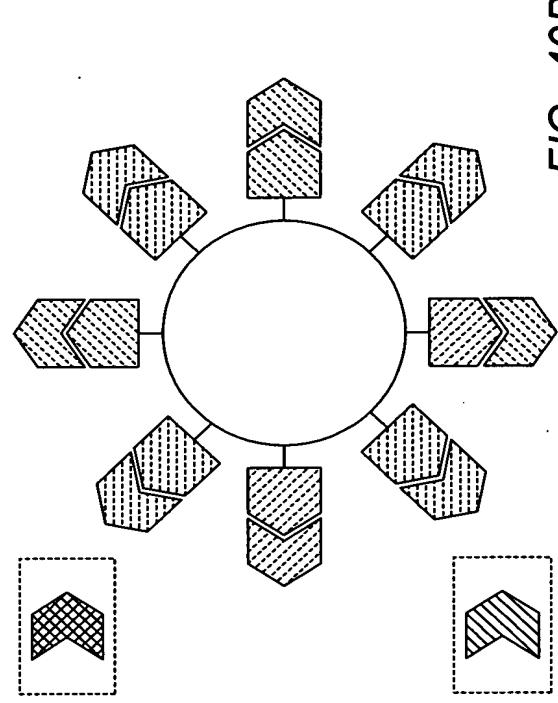


FIG. 40D

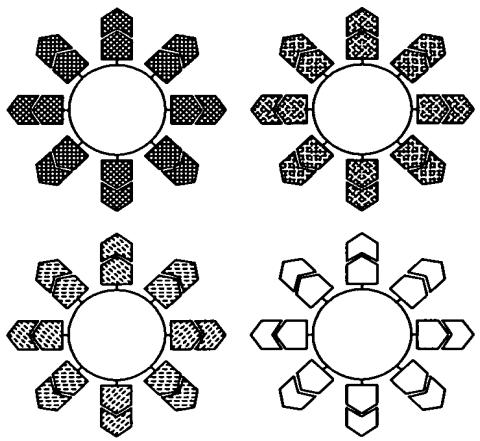
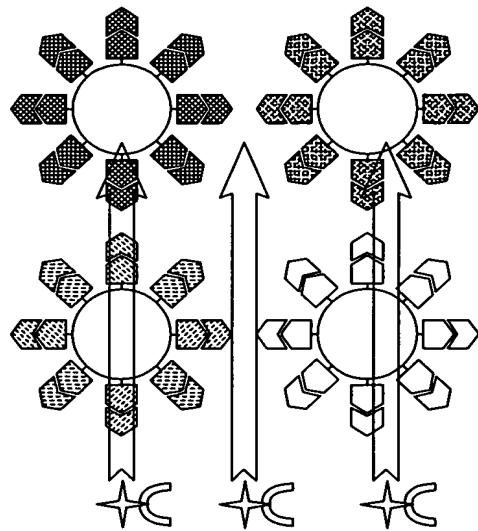
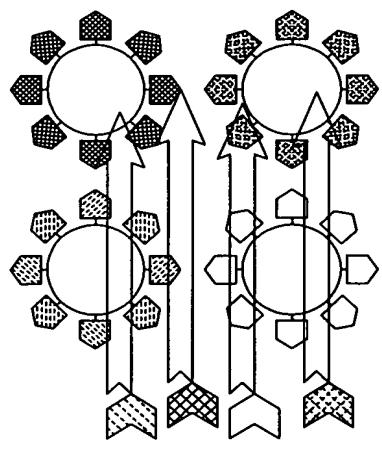
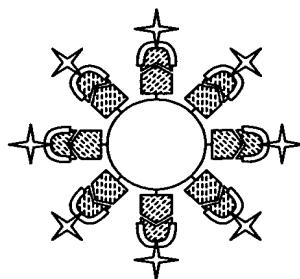
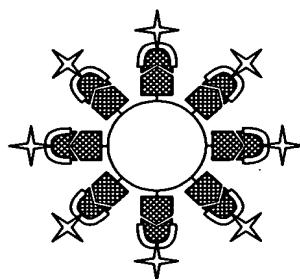
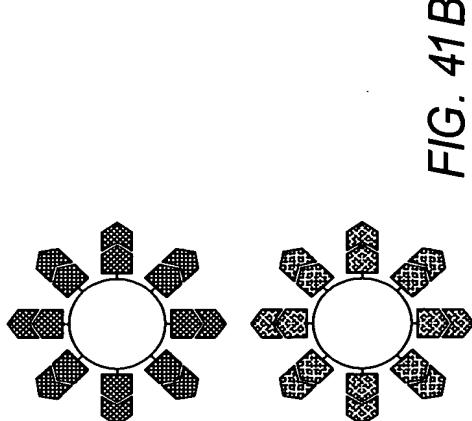


FIG. 41 B



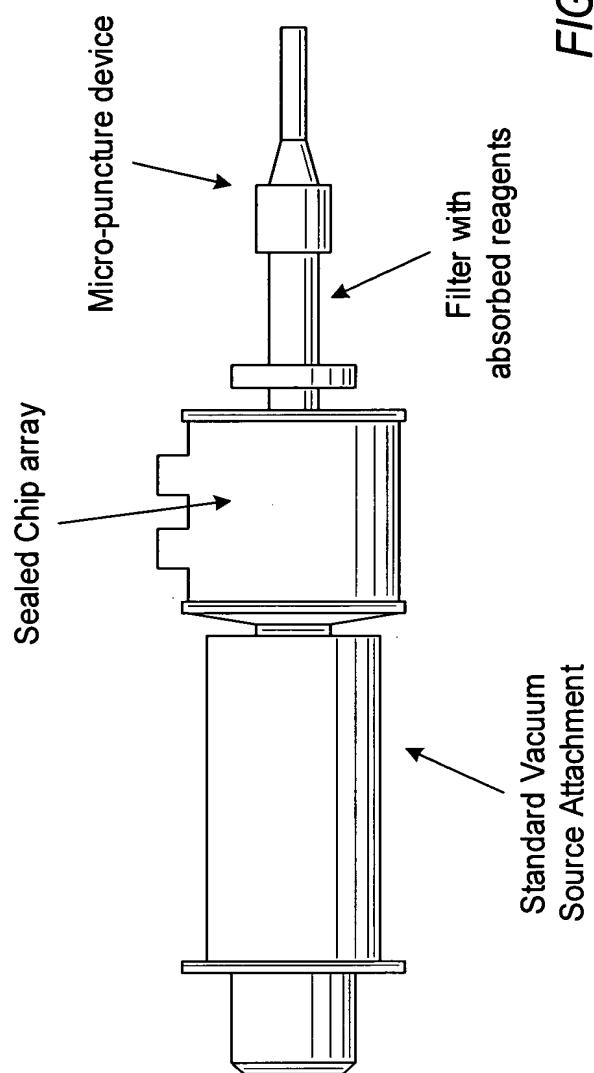
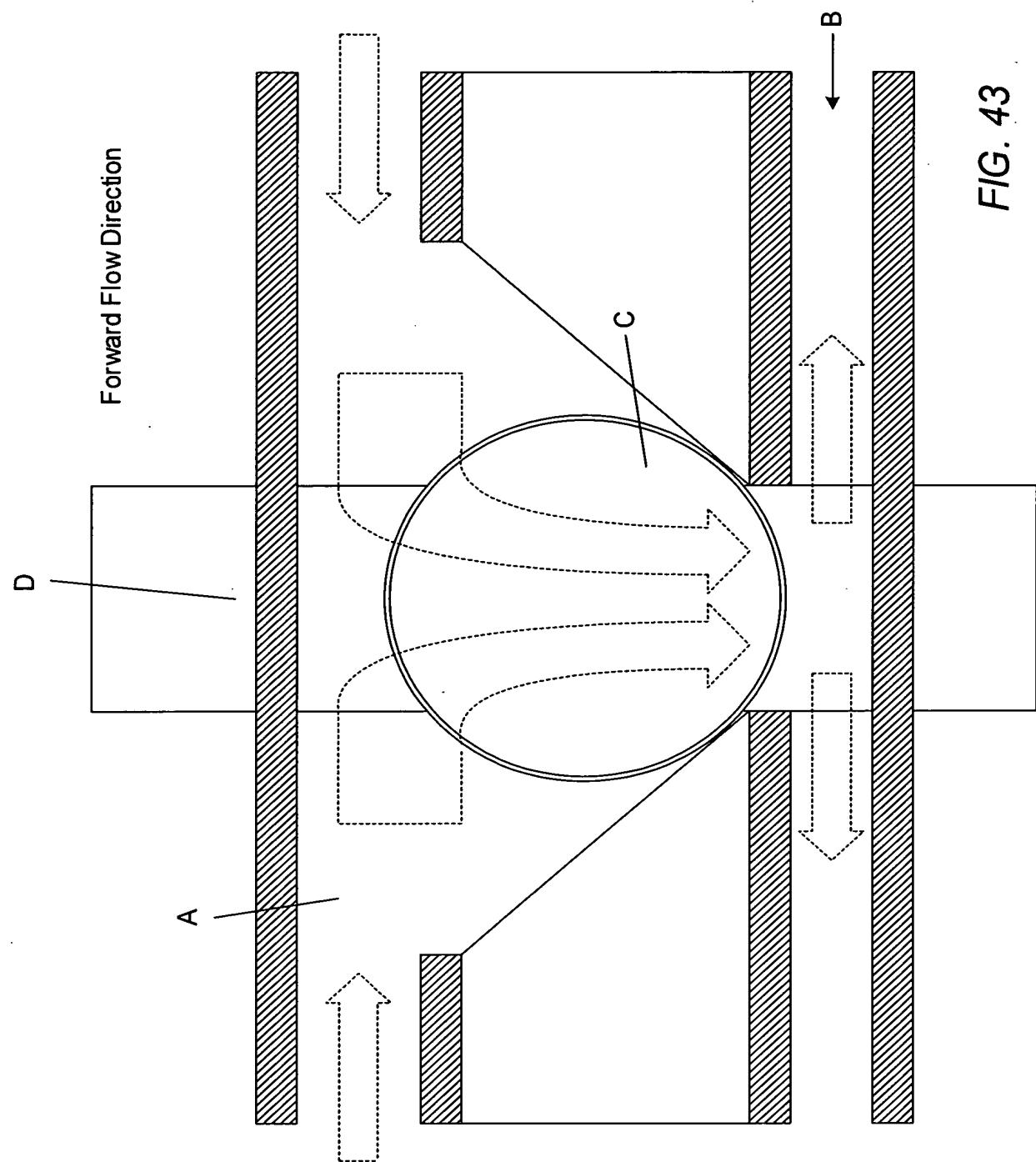
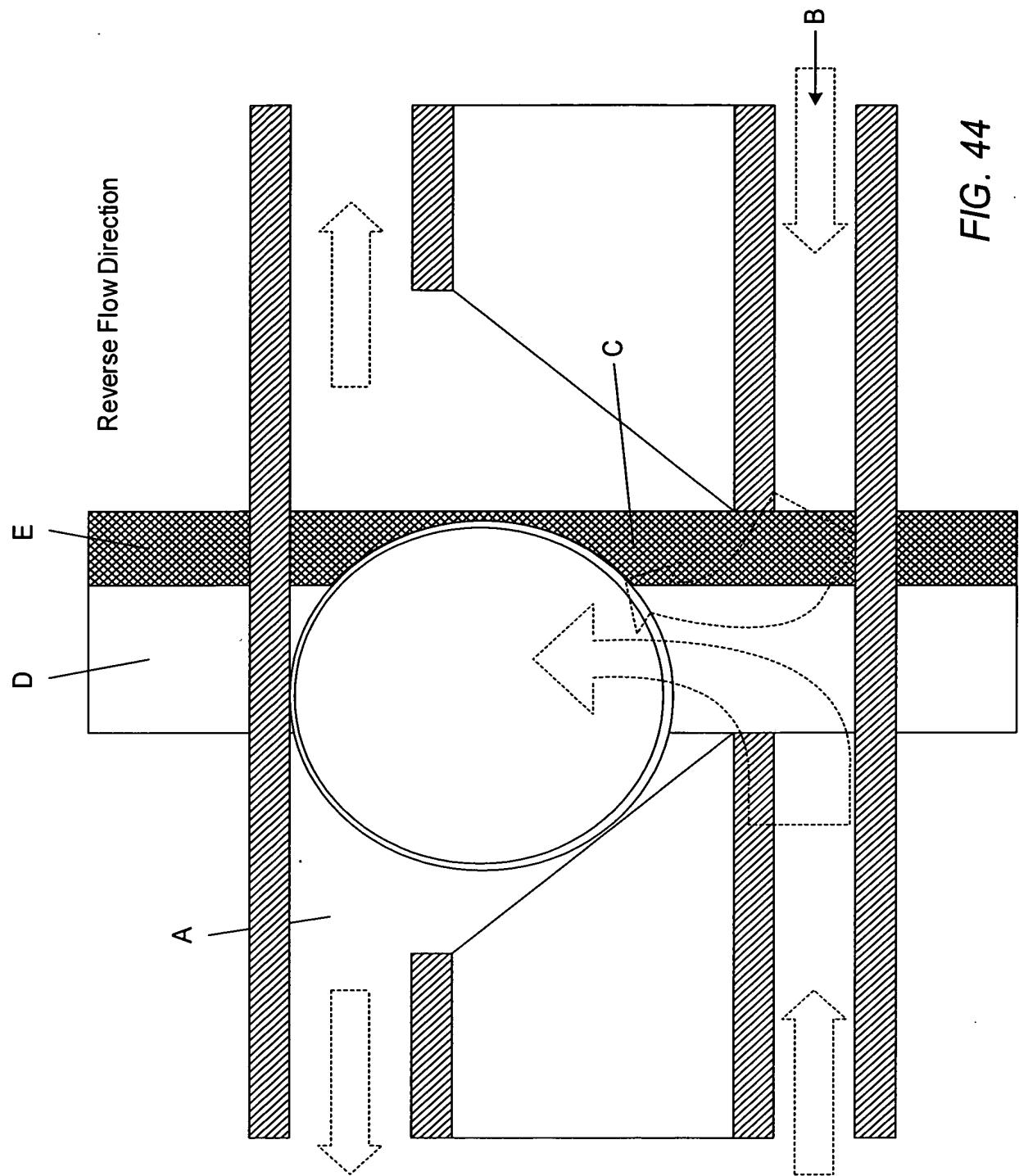


FIG. 42





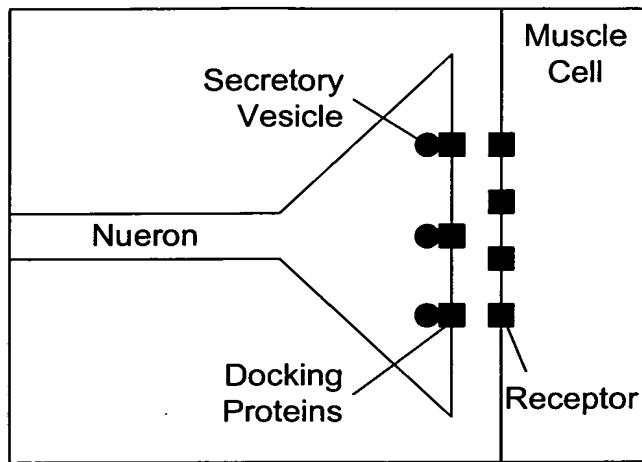


FIG. 45A

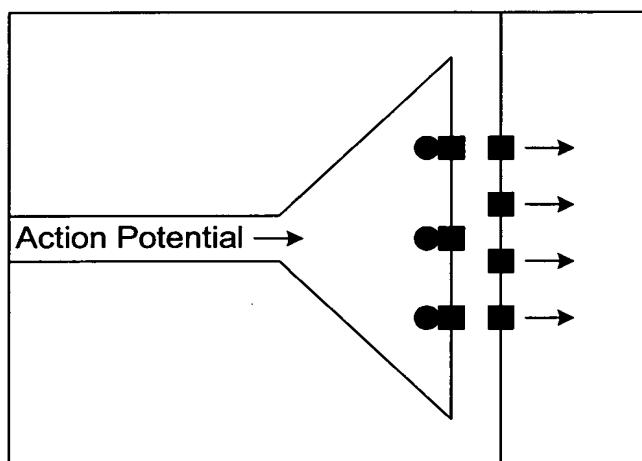


FIG. 45B

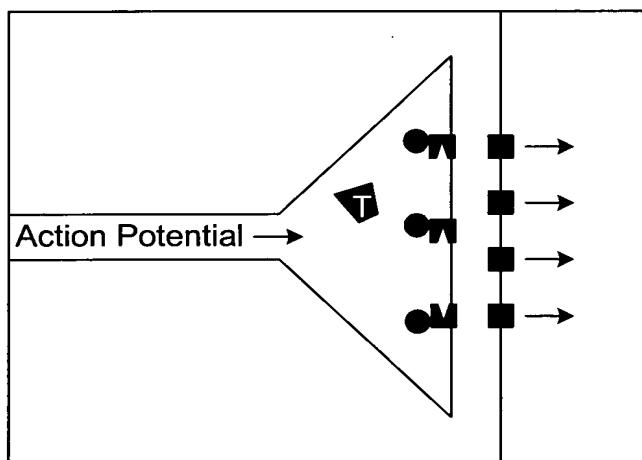


FIG. 45C

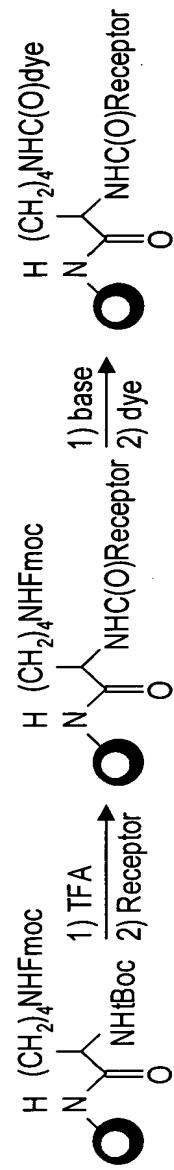


FIG. 45D

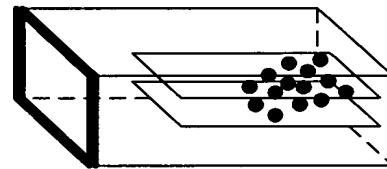


FIG. 46B

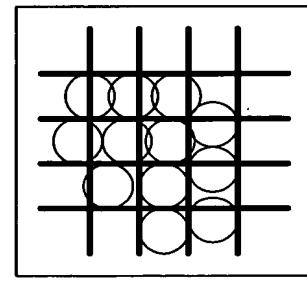


FIG. 46A

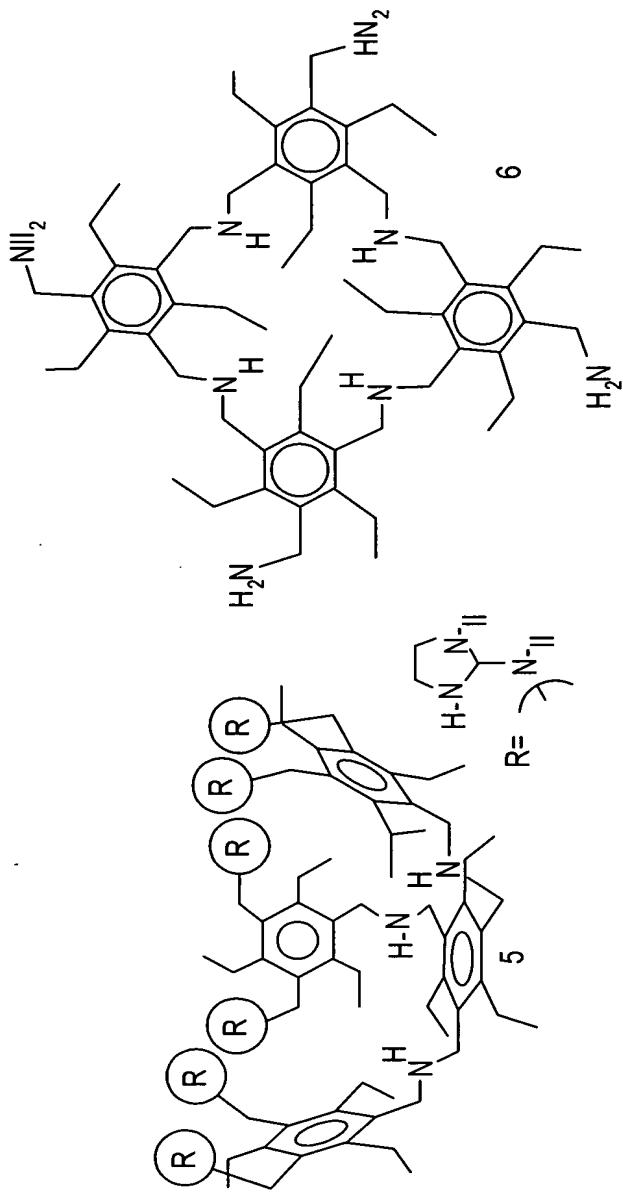
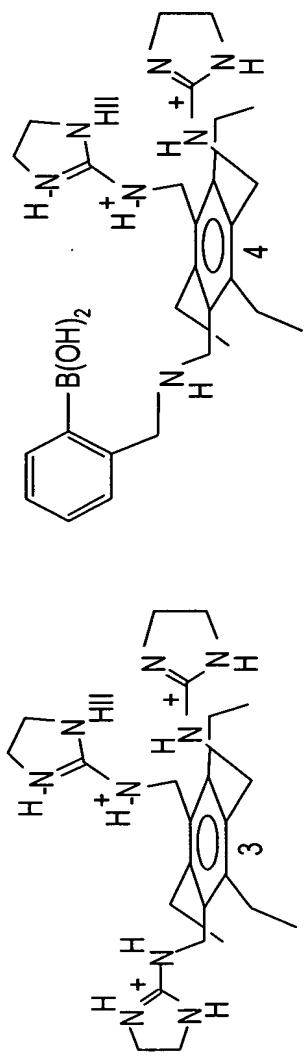


FIG. 47

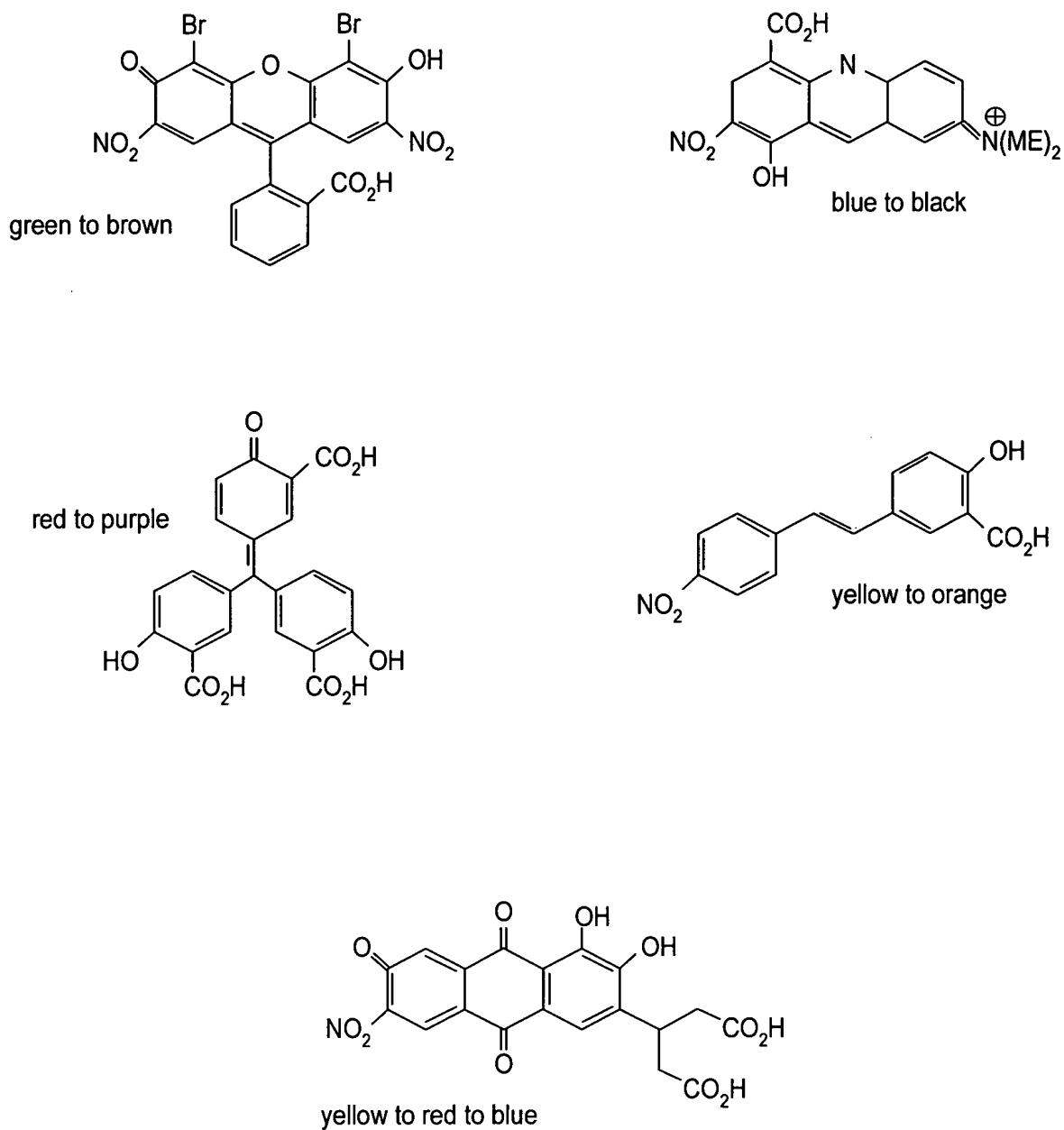


FIG. 48

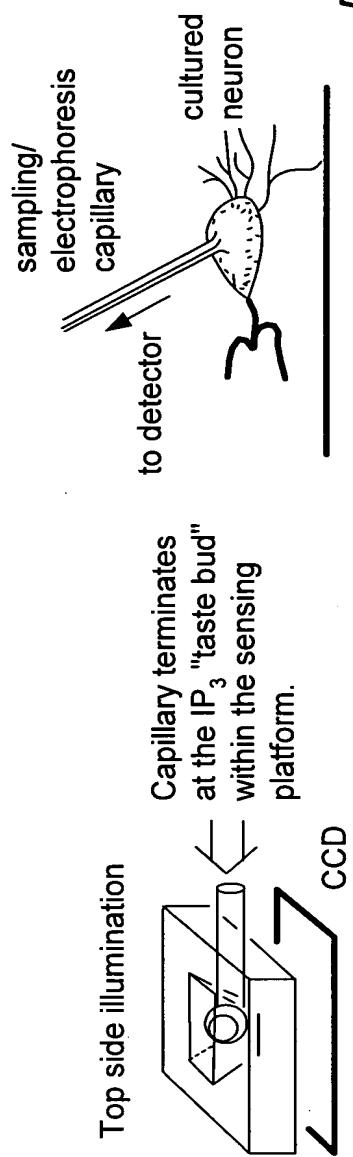


FIG. 49

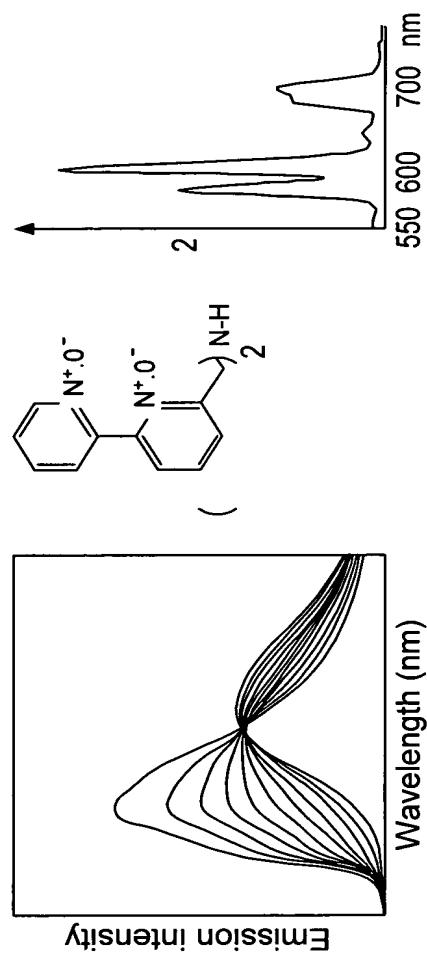
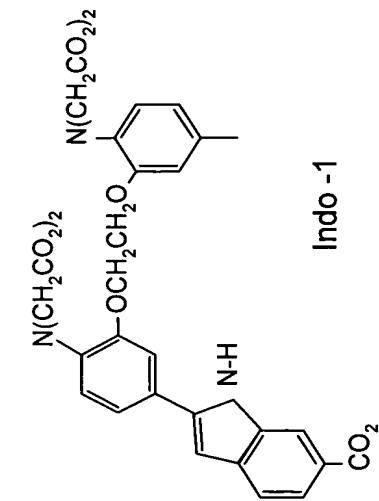


FIG. 50



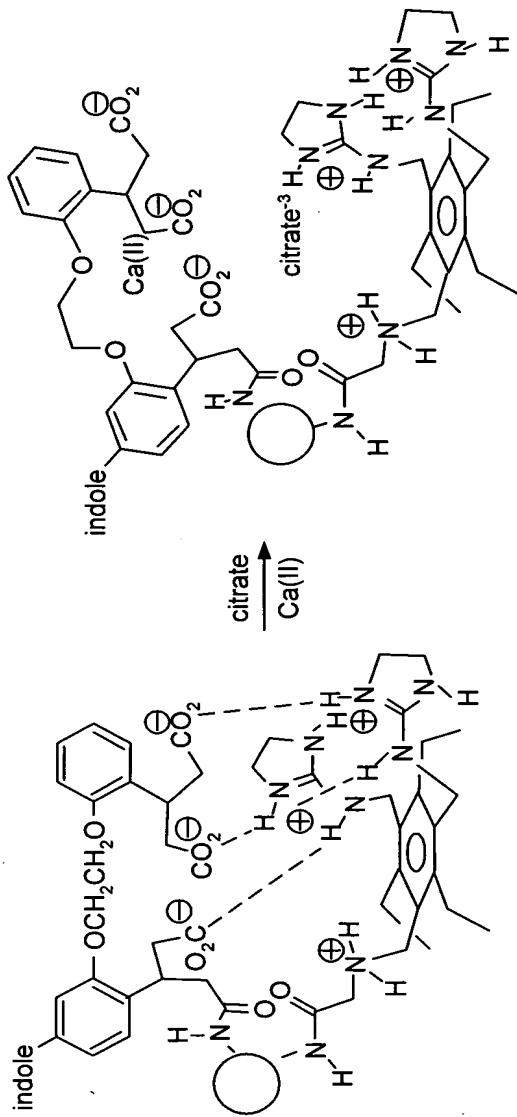


FIG. 51

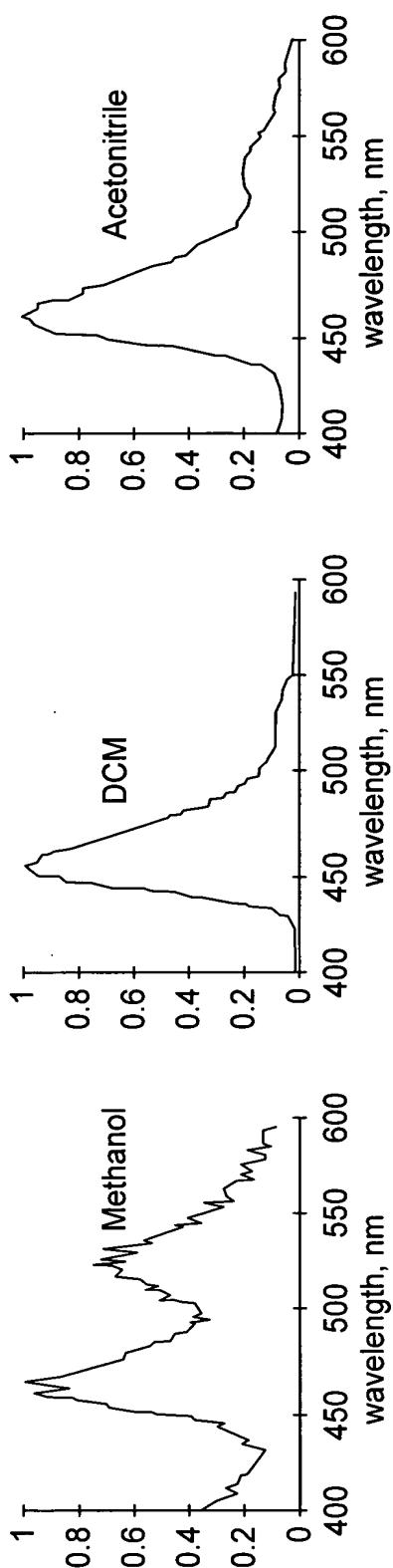


FIG. 52

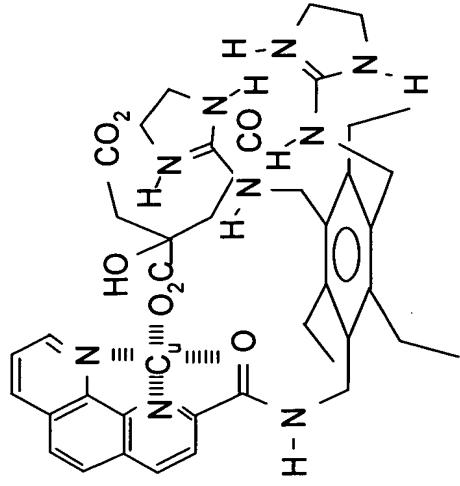
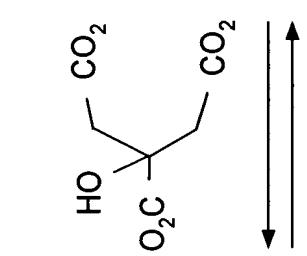
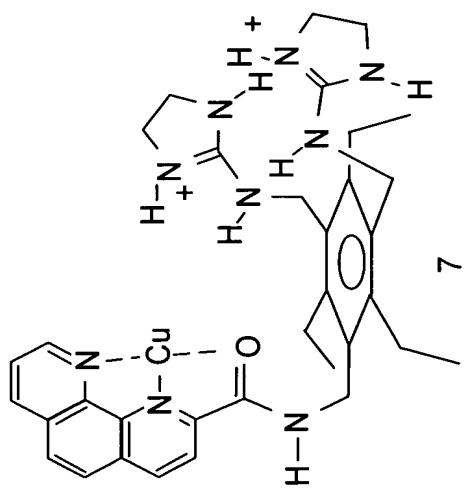
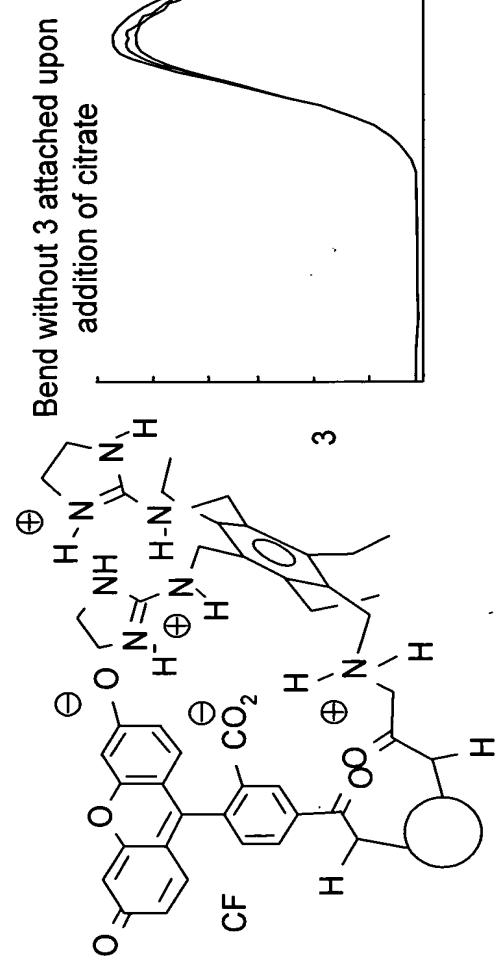


FIG. 53



Bend with 3 attached upon  
addition of citrate

Bend without 3 attached upon  
addition of citrate

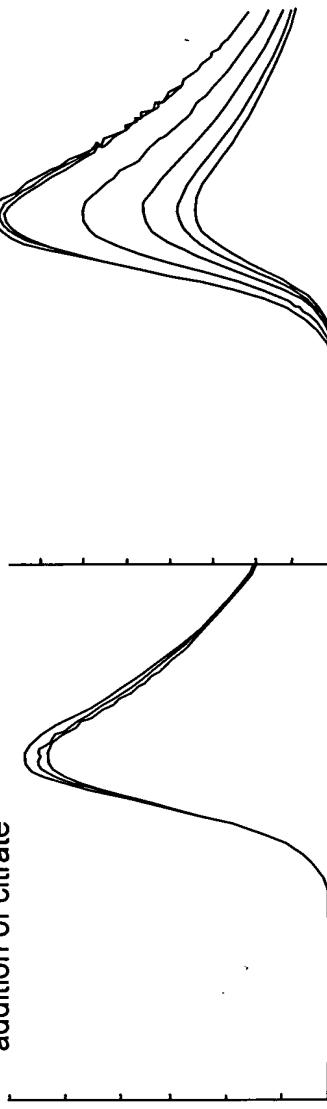


FIG. 54

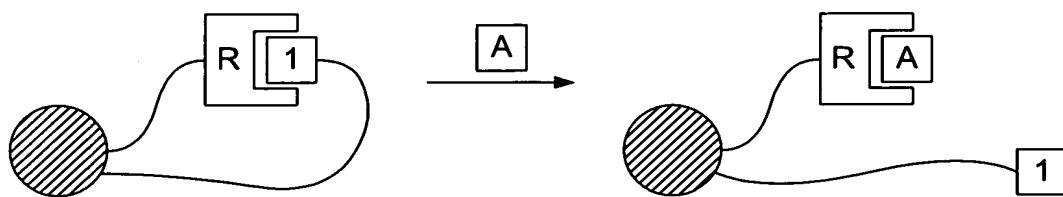


FIG. 55A

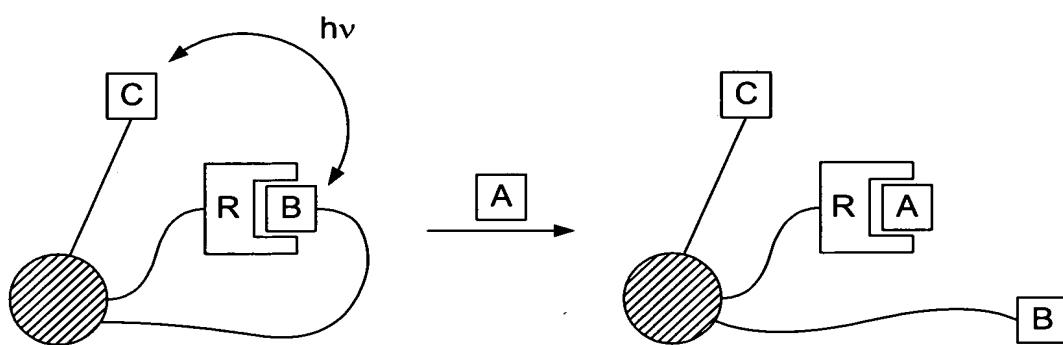


FIG. 55B

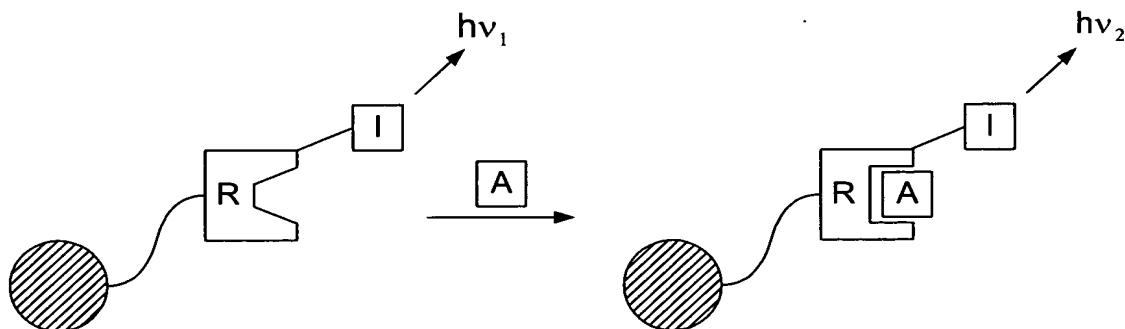


FIG. 55C

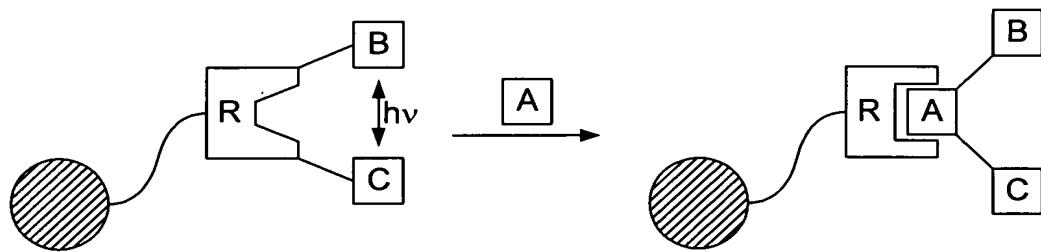


FIG. 55D

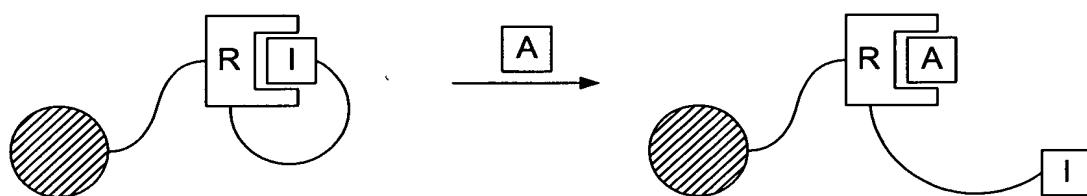


FIG. 55E

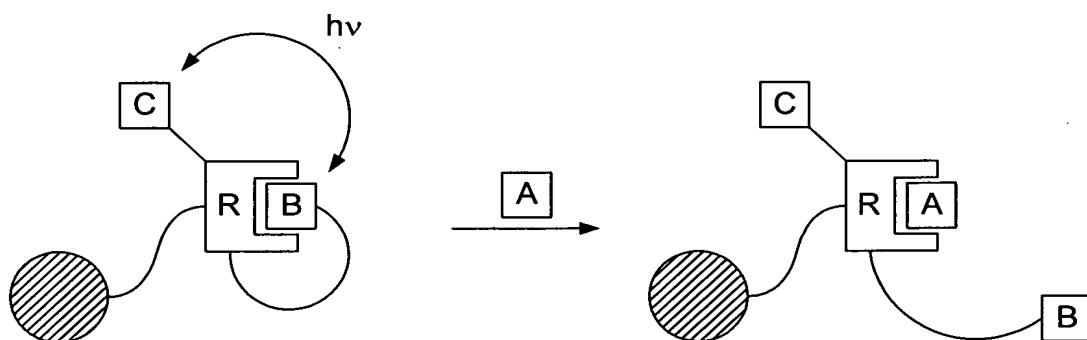


FIG. 55F

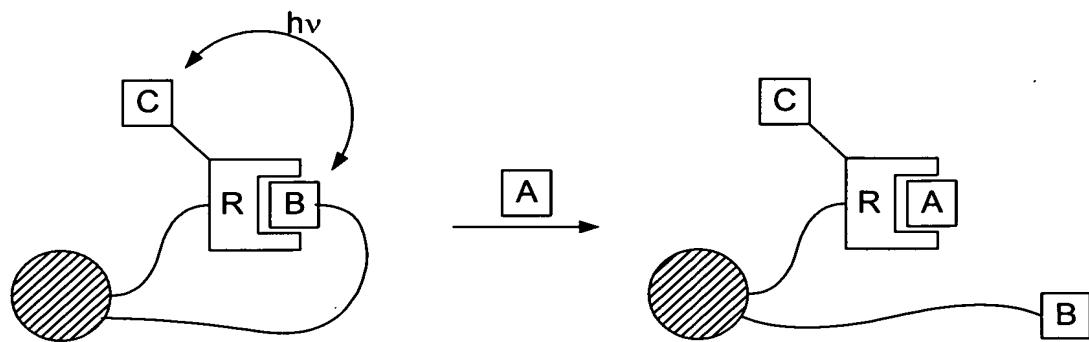


FIG. 55G

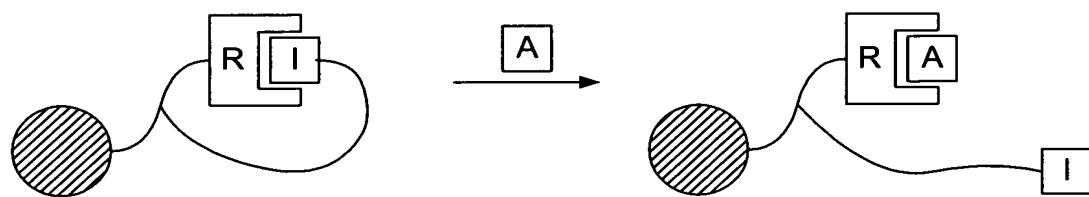


FIG. 55H

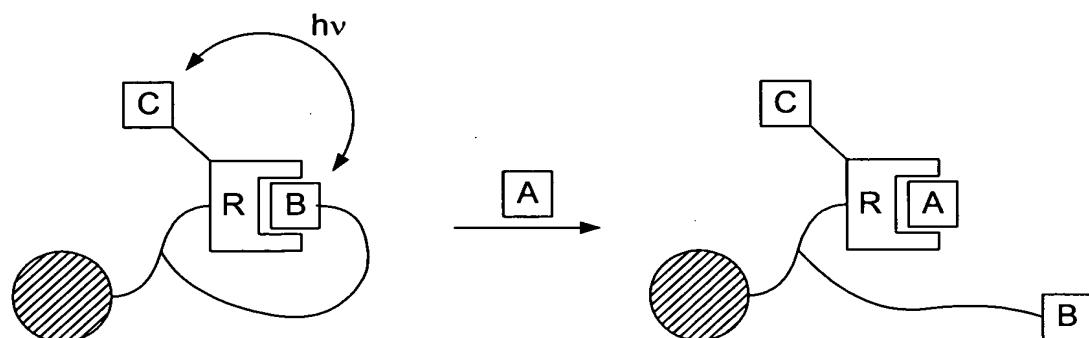


FIG. 55I

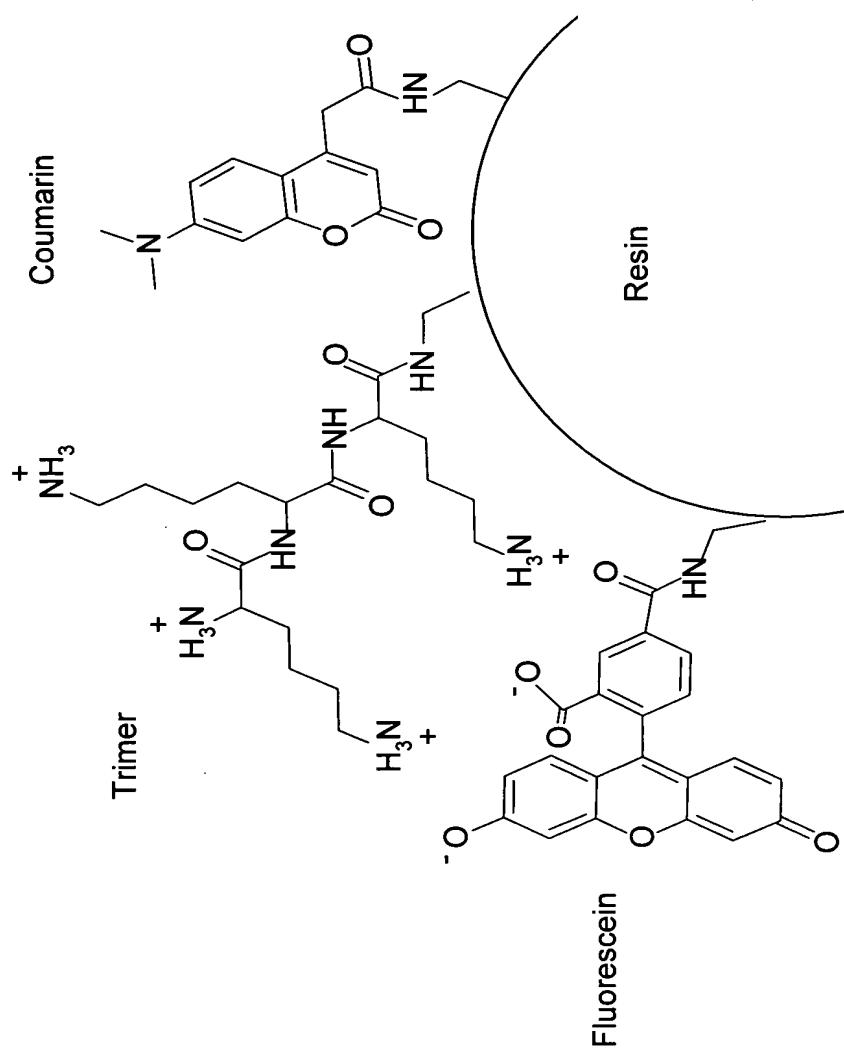


FIG. 56

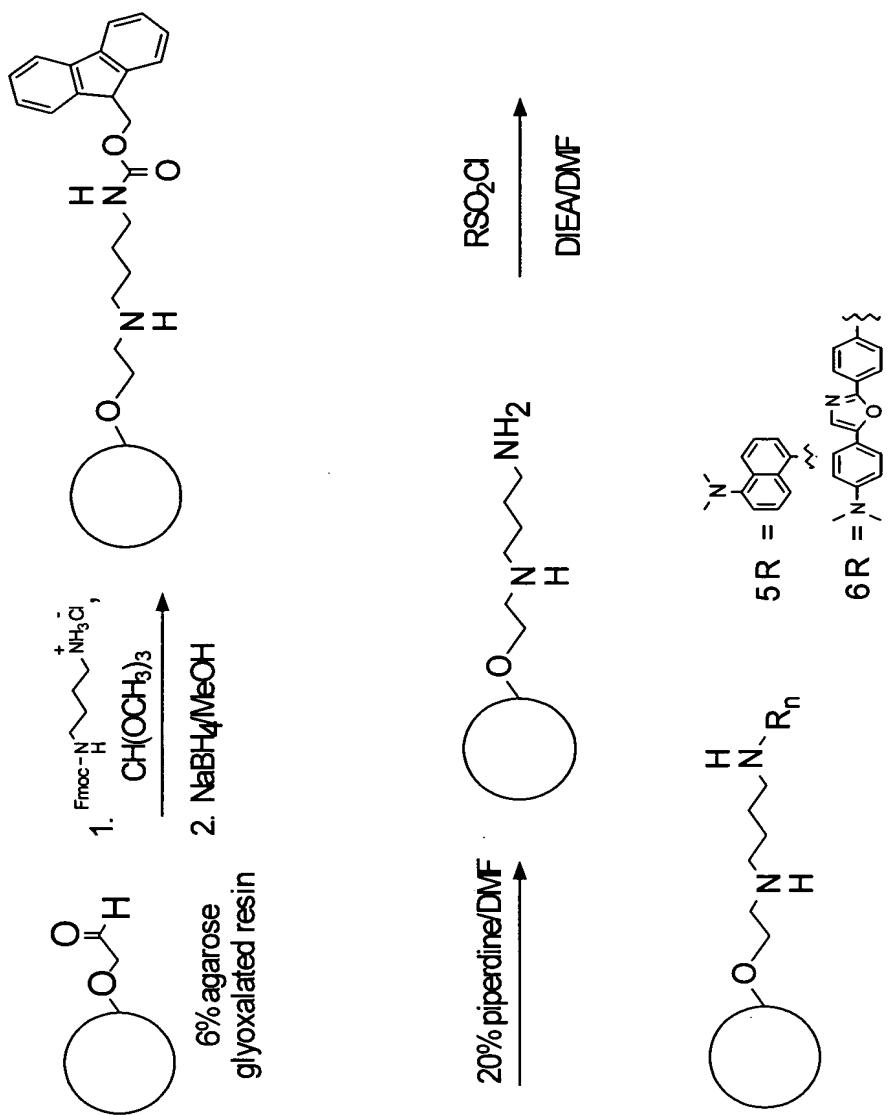


FIG. 57

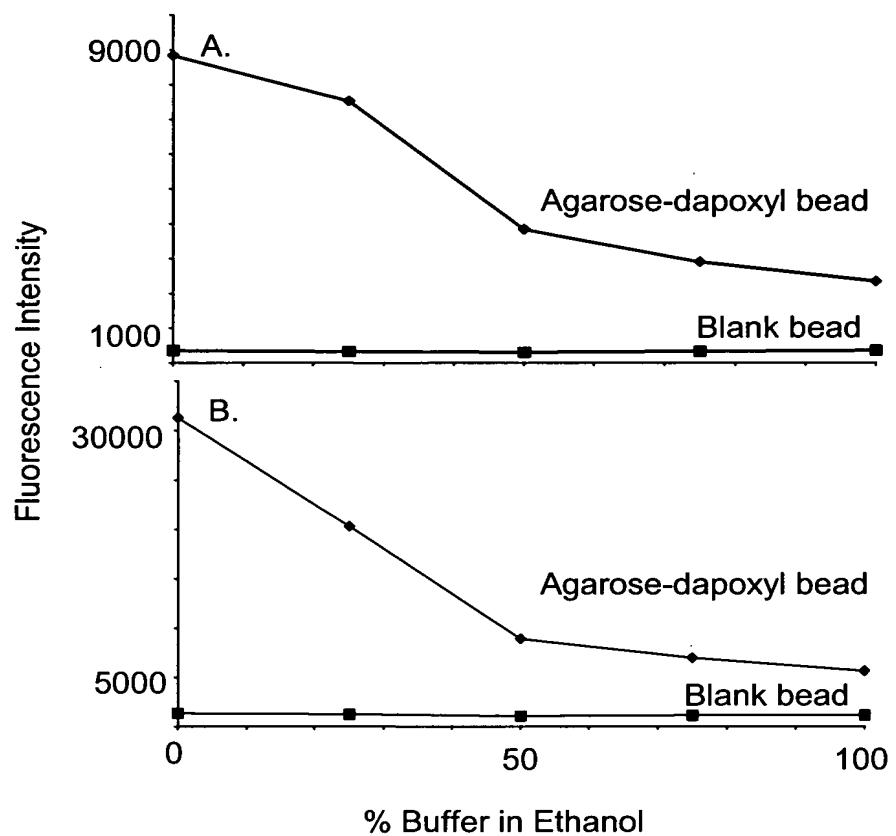


FIG. 58

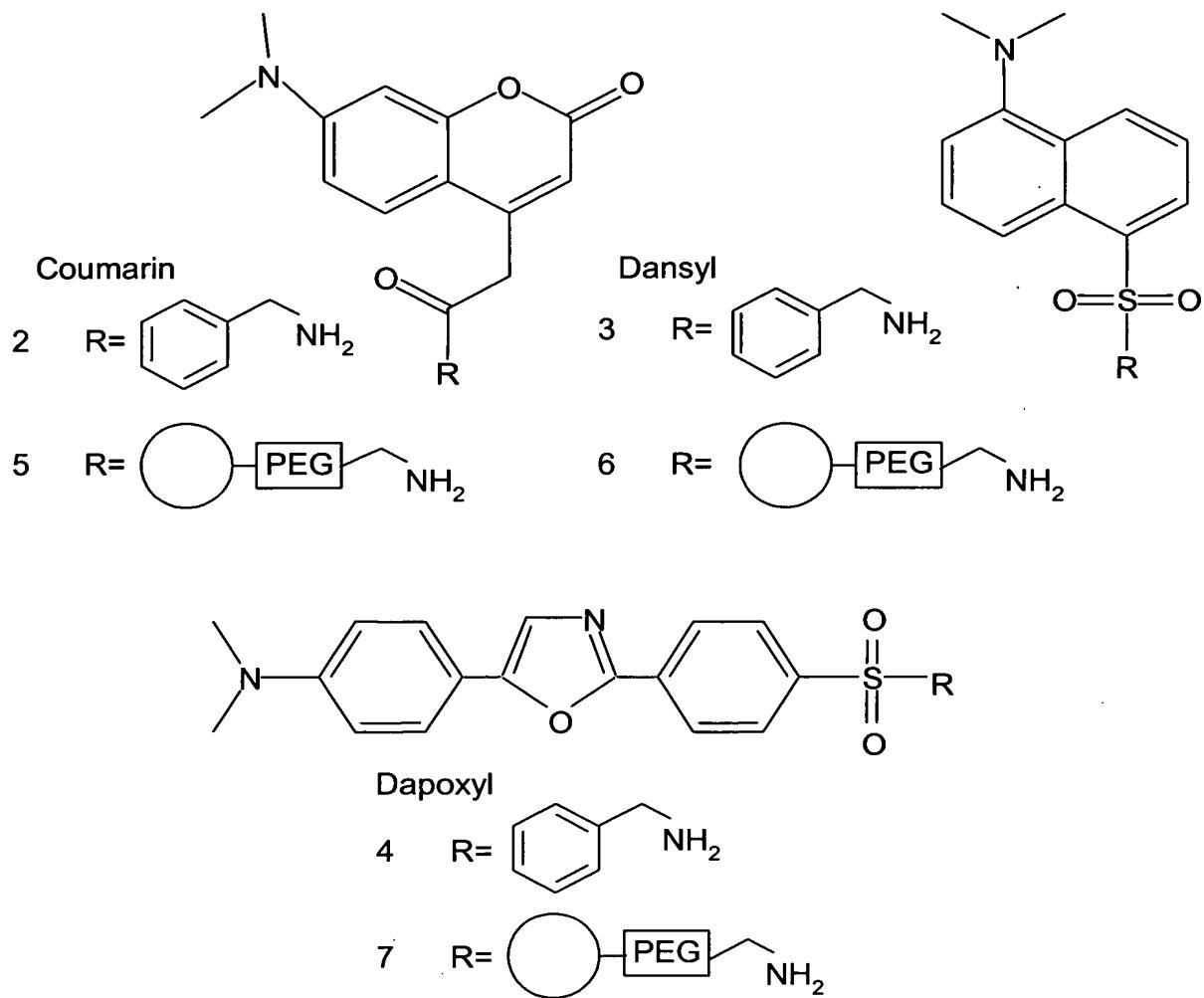


FIG. 59

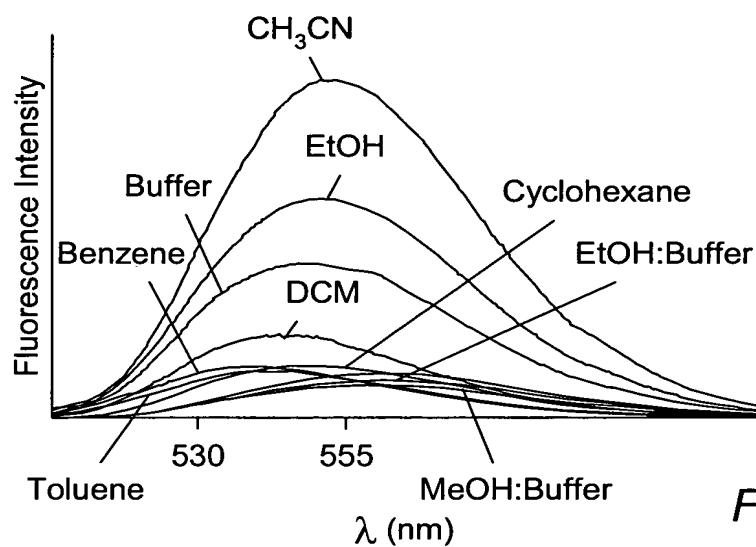
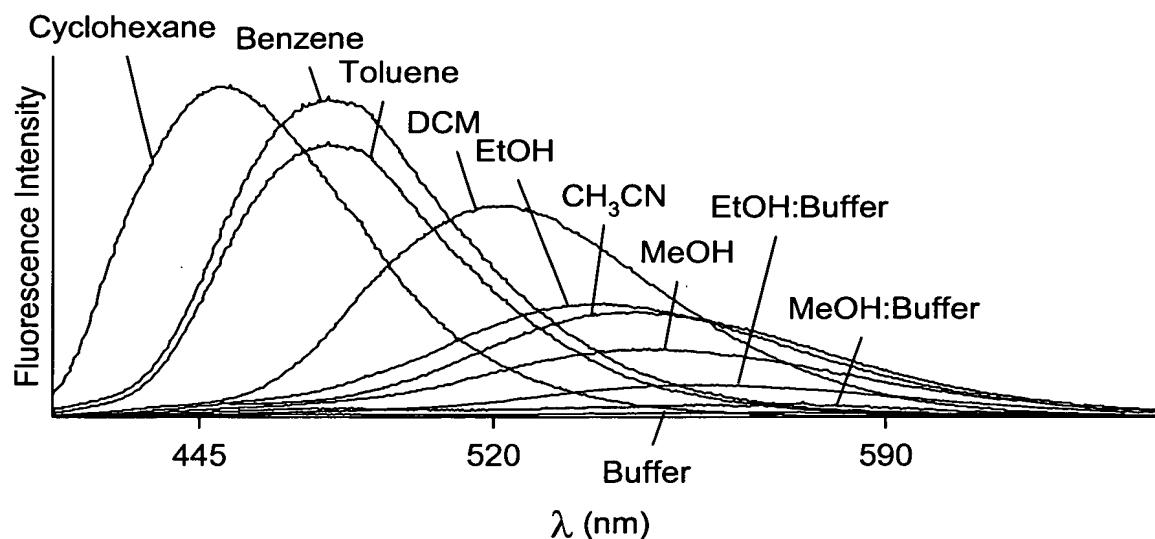


FIG. 60

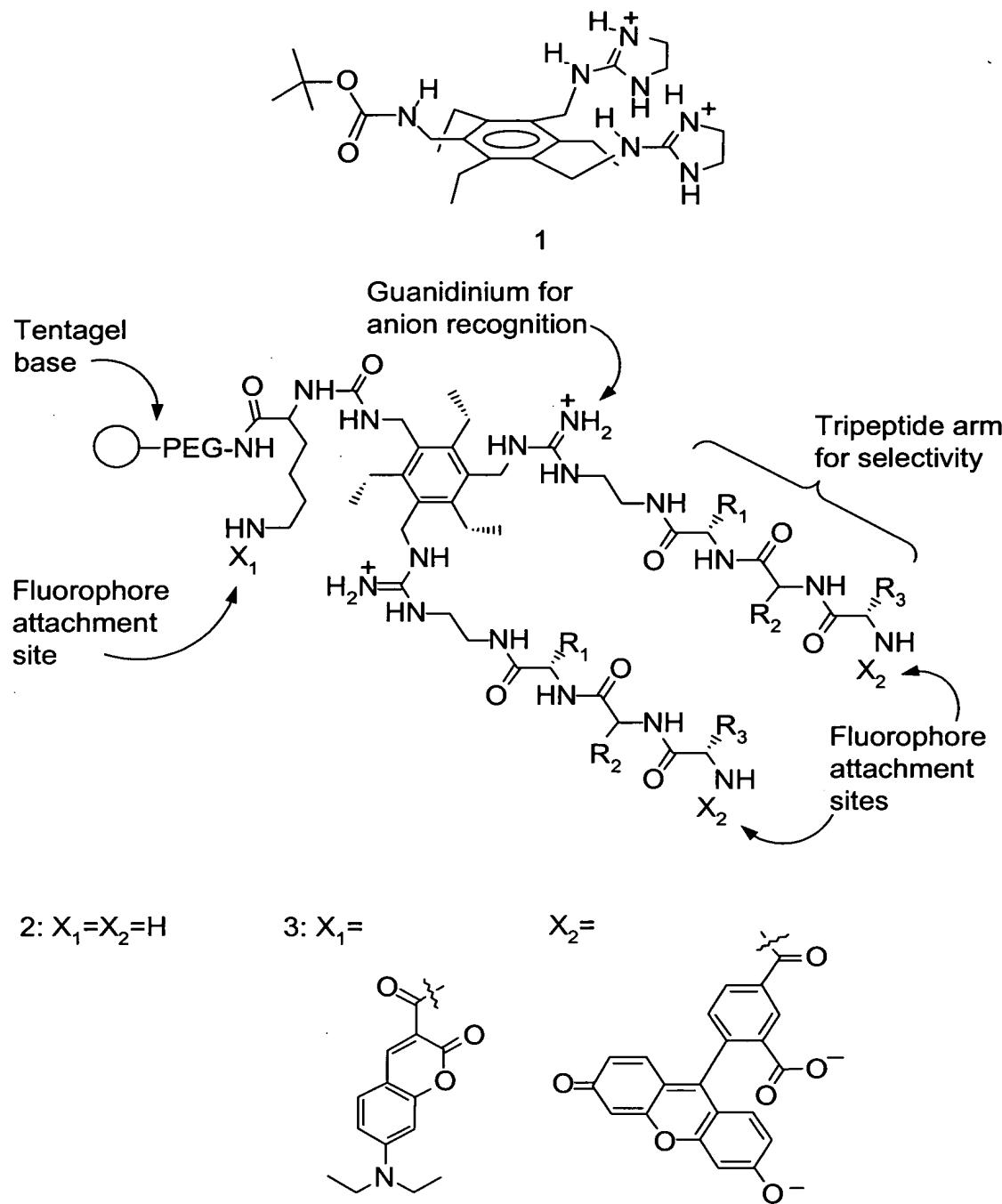


FIG. 61

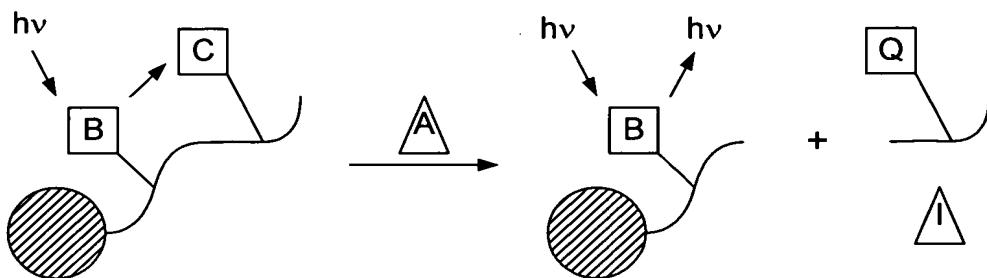


FIG. 62A

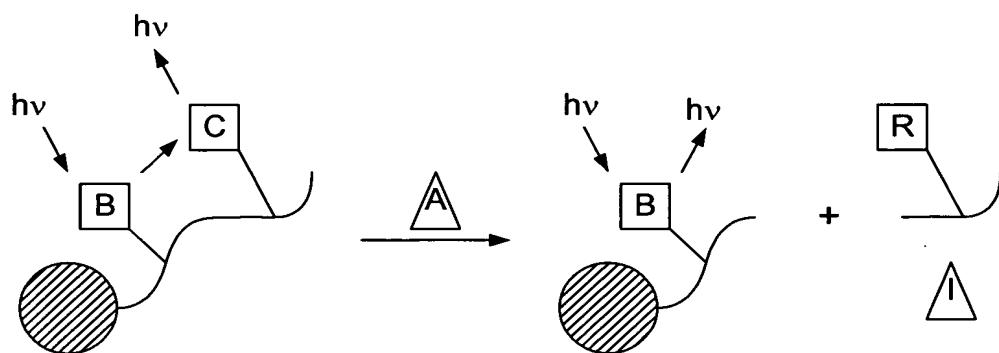


FIG. 62B

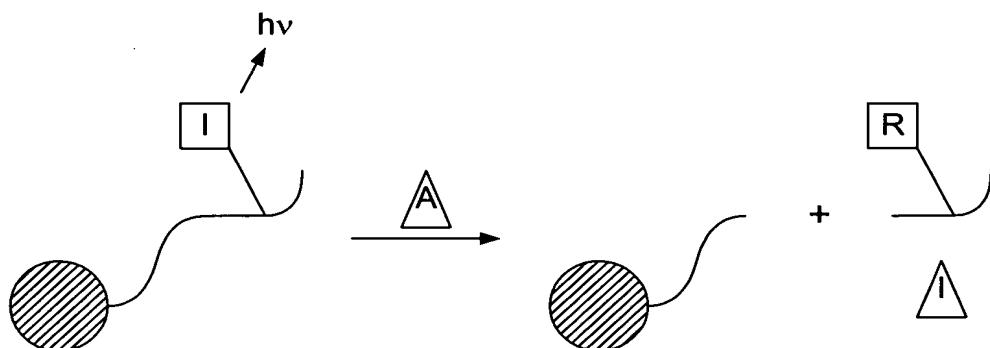


FIG. 62C

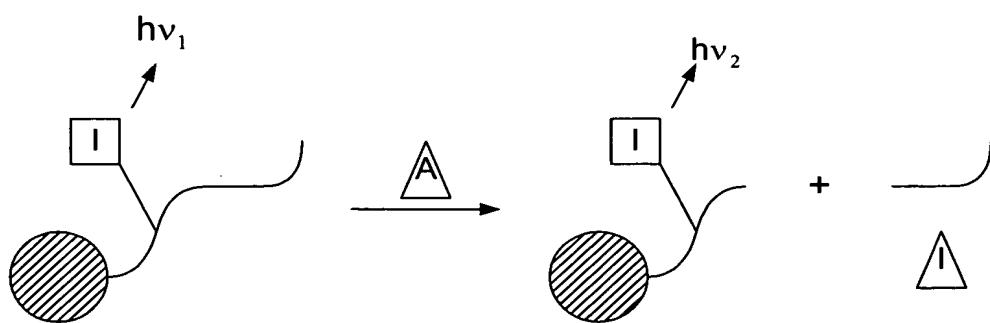


FIG. 62D

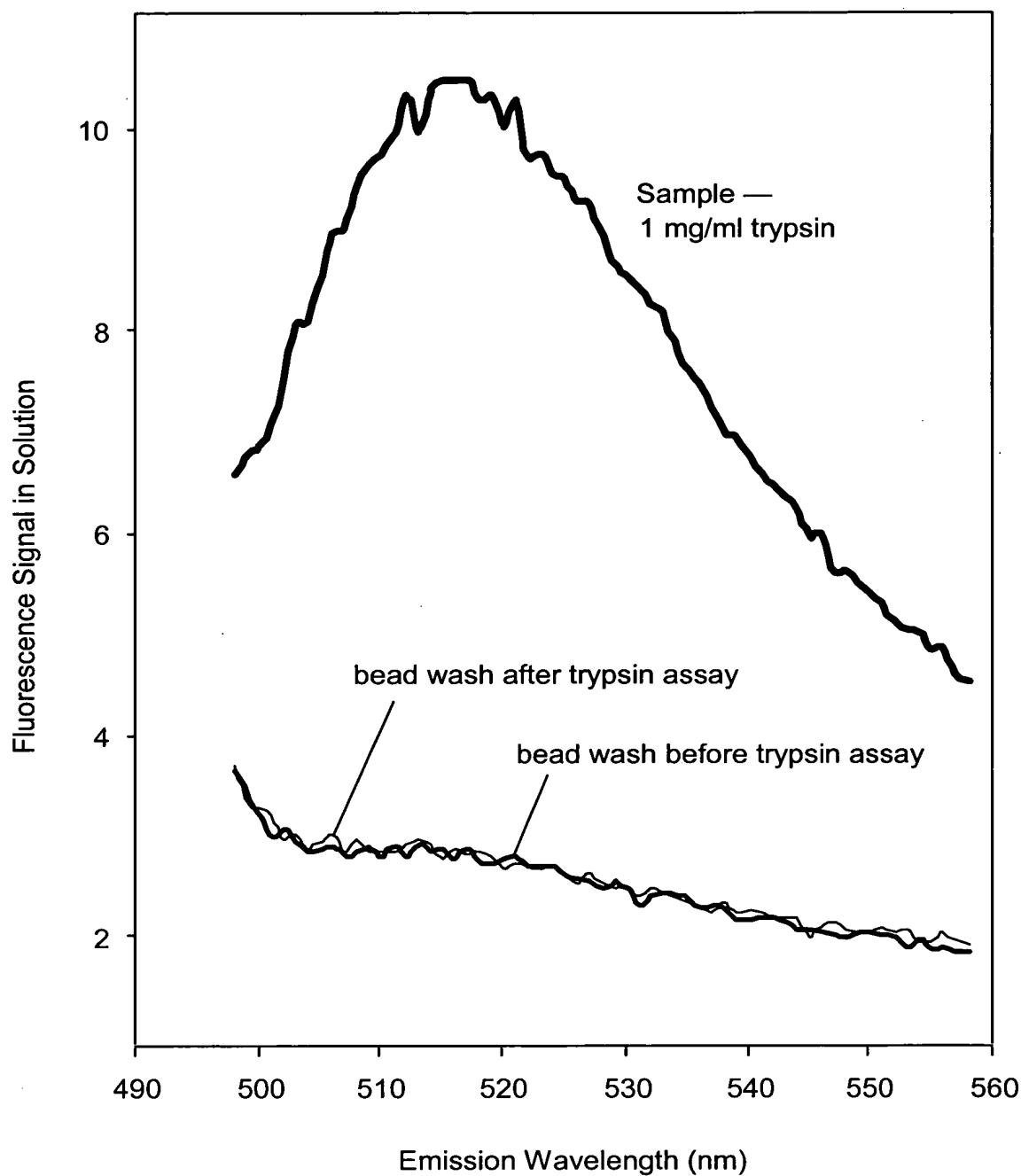


FIG. 63

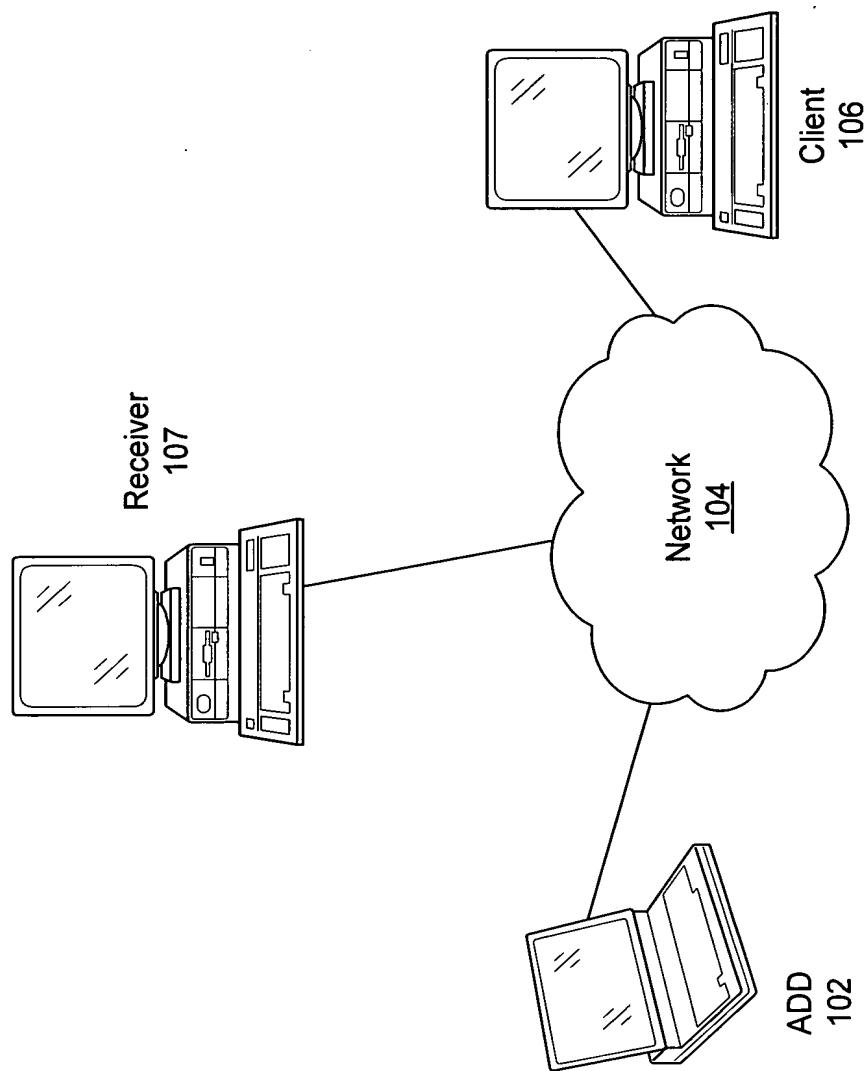
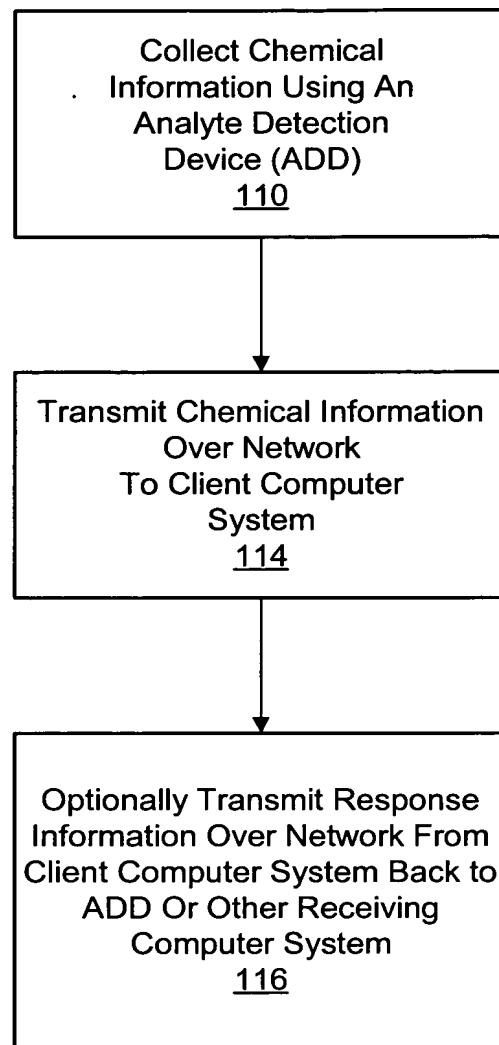


FIG. 64



*FIG. 65*

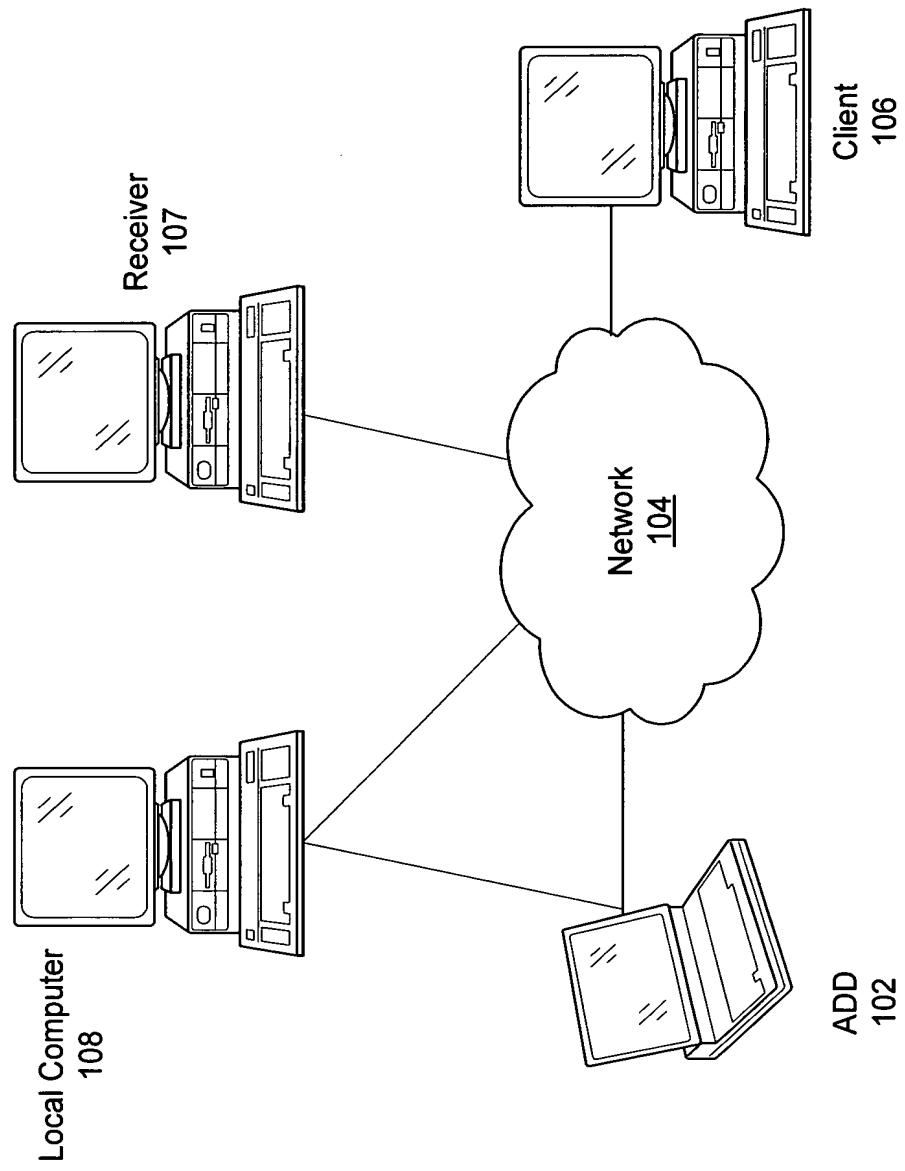


FIG. 66

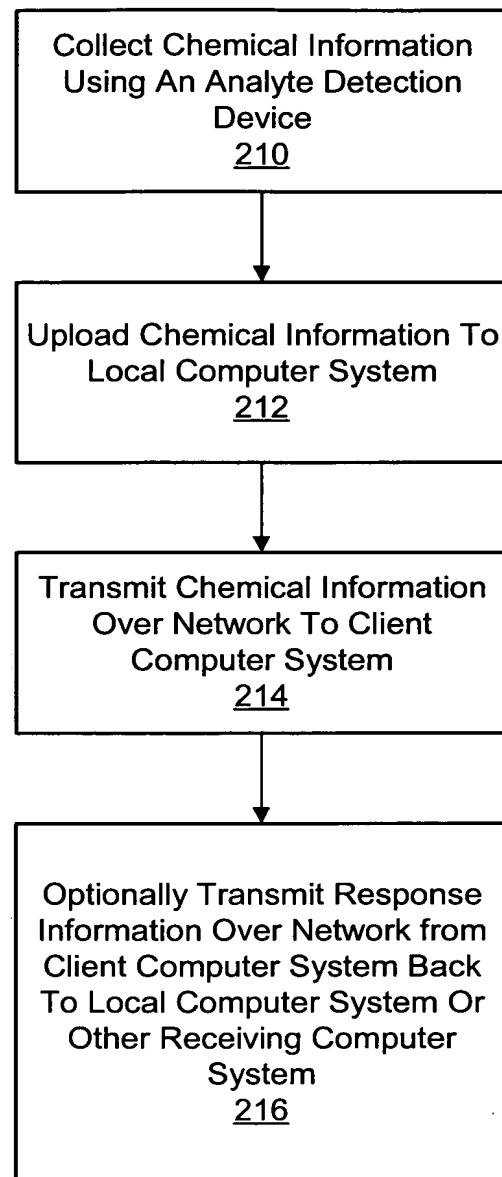


FIG. 67

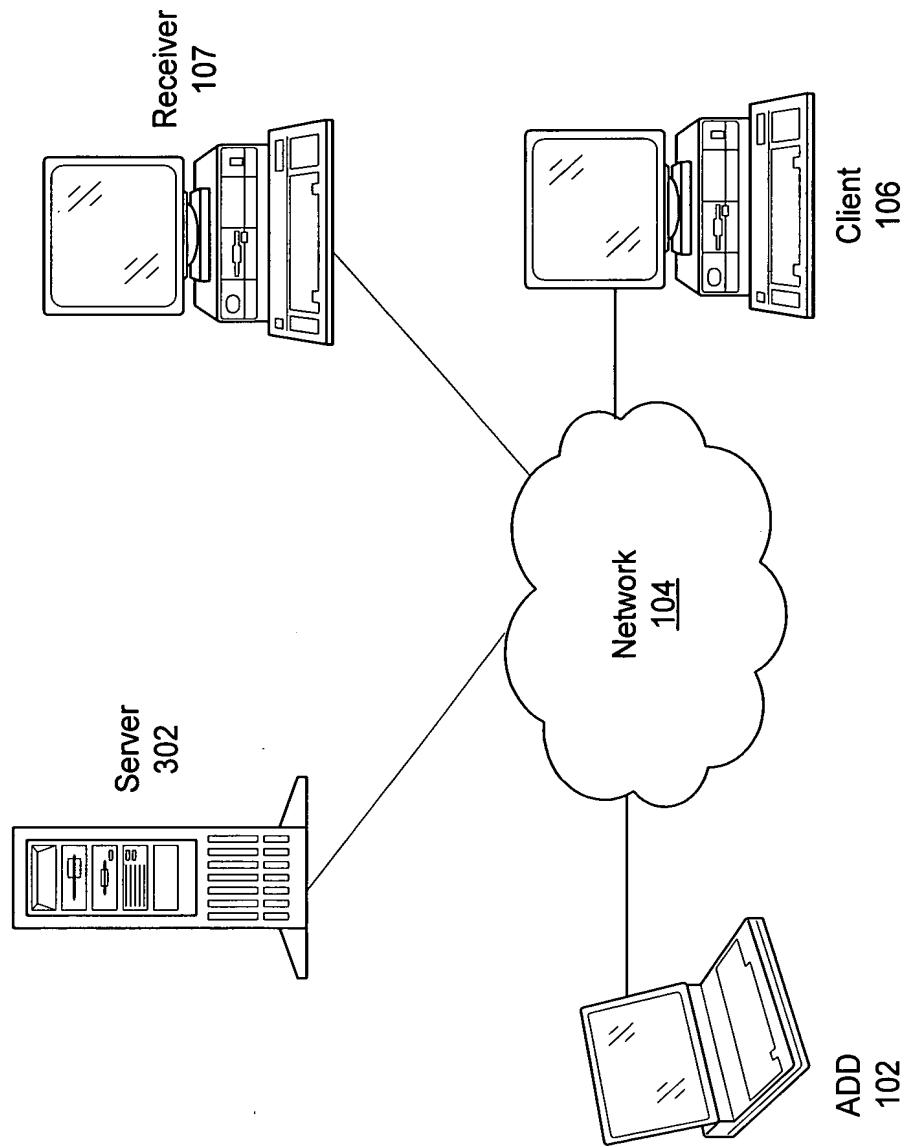


FIG. 68

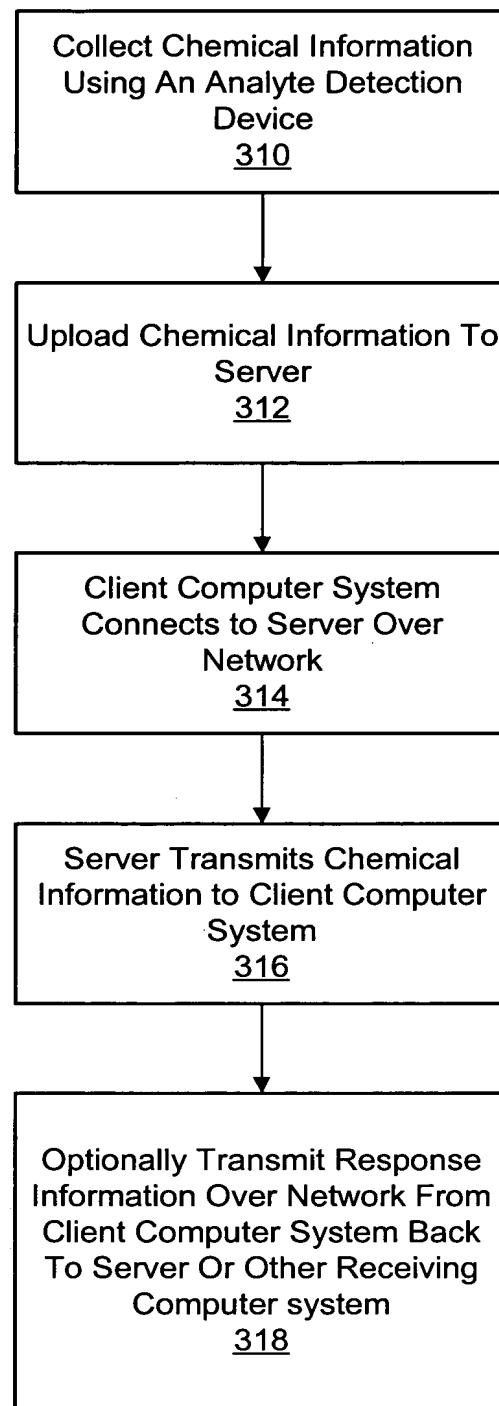


FIG. 69

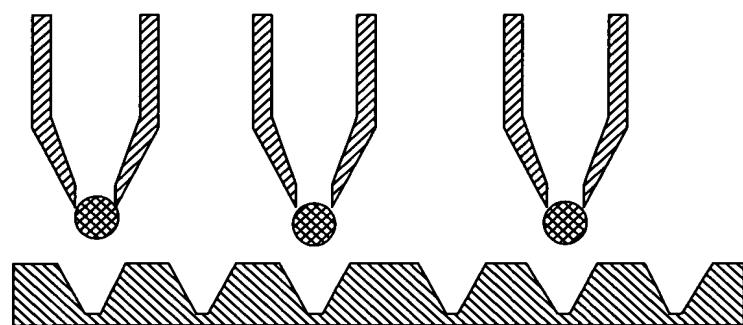


FIG. 70A

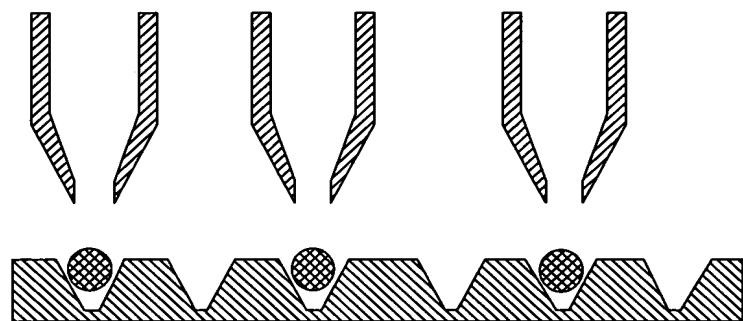
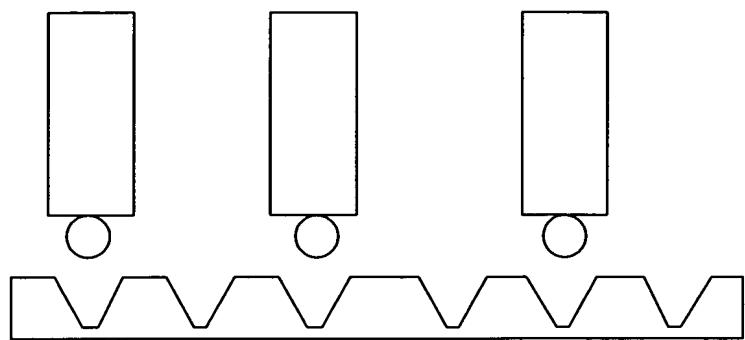
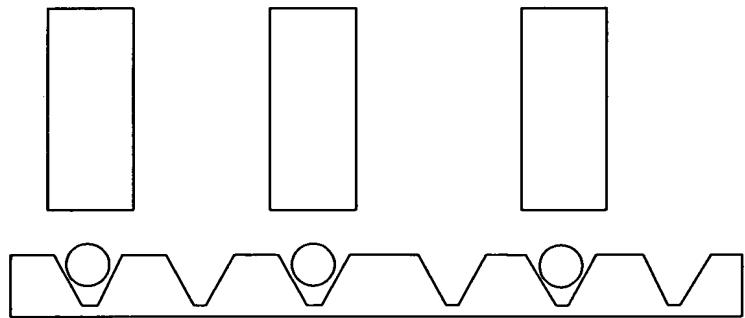


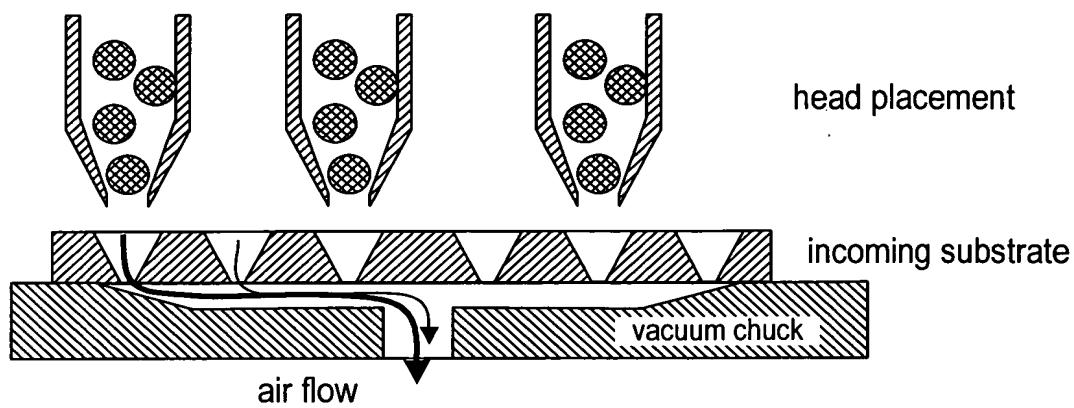
FIG. 70B



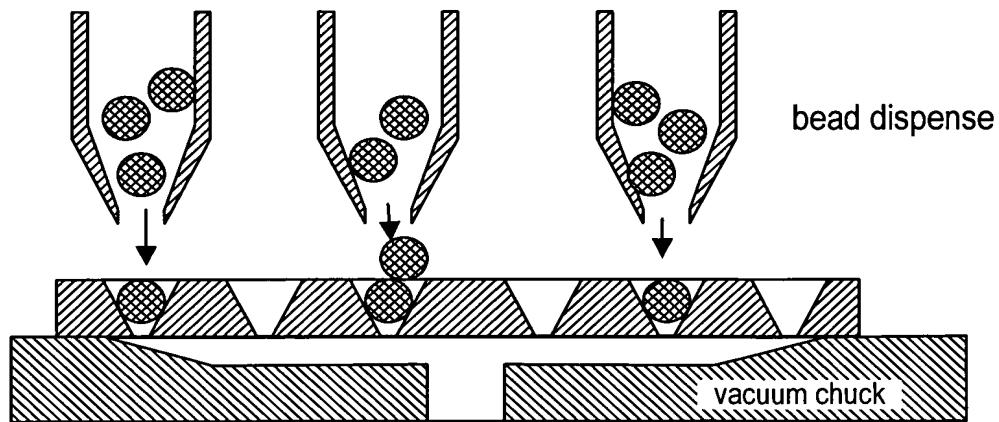
*FIG. 71A*



*FIG. 71B*



*FIG. 72A*



*FIG. 72B*

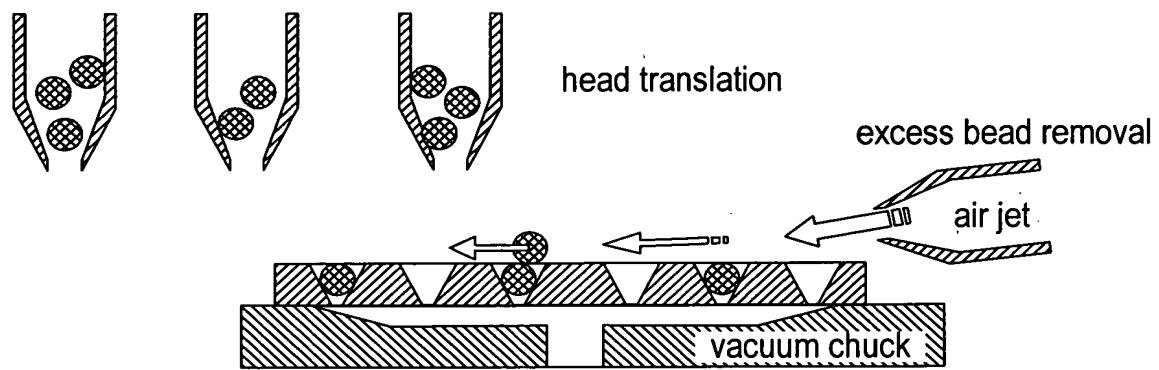


FIG. 72C

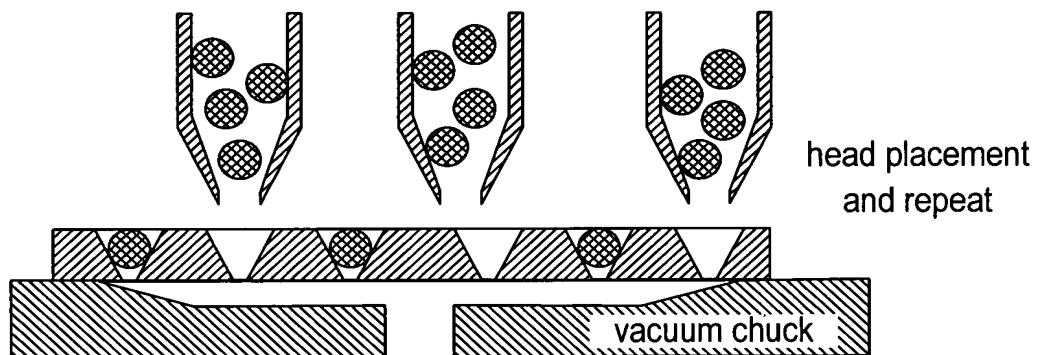


FIG. 72D

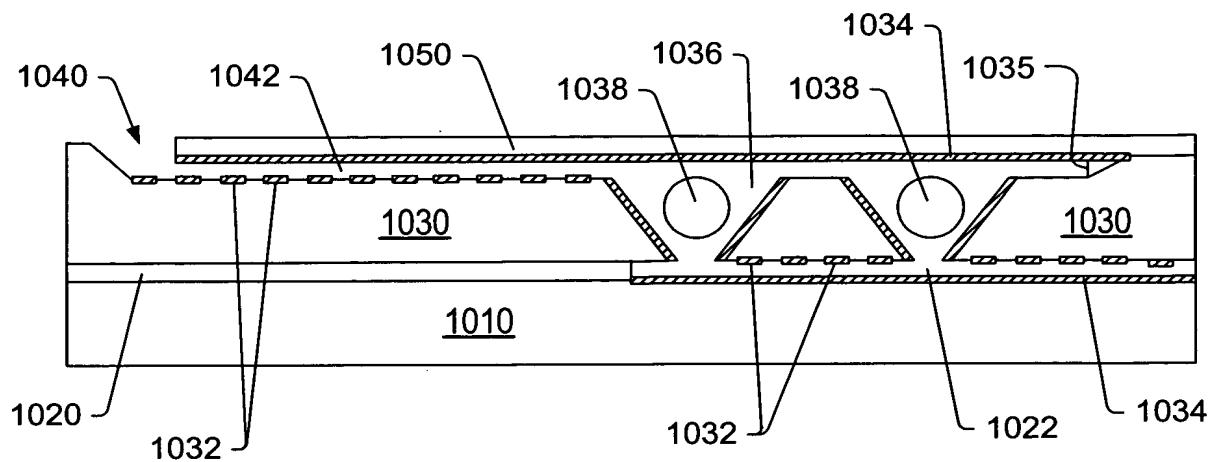


FIG. 73

05477563-0203-0000-0

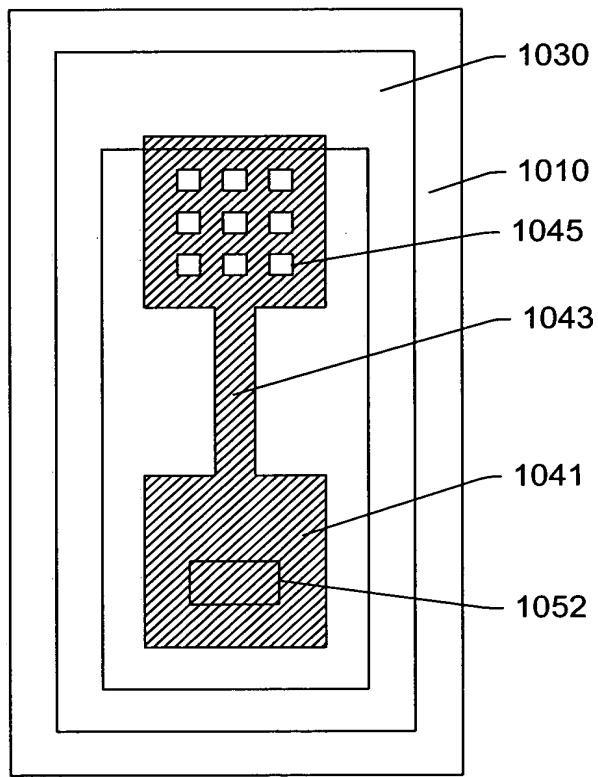


FIG. 74A

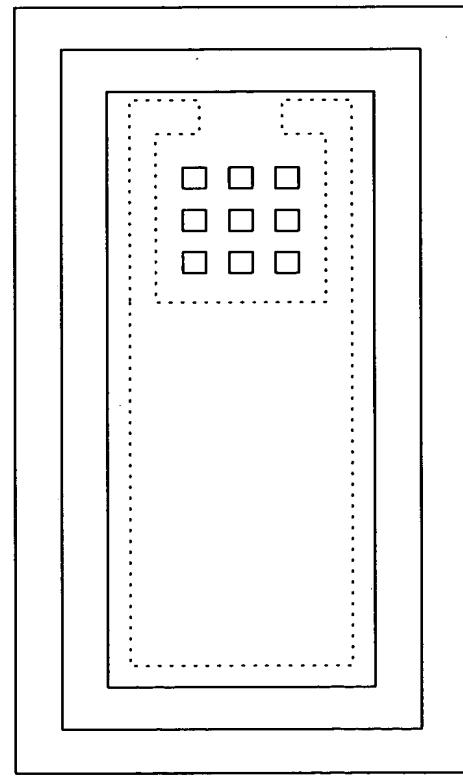


FIG. 74B

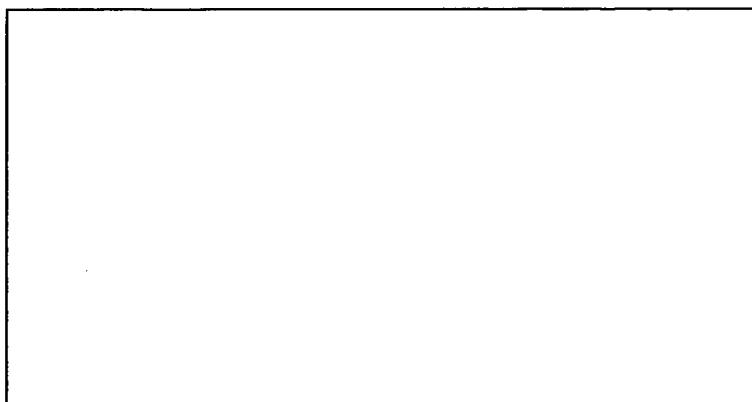


FIG. 75D

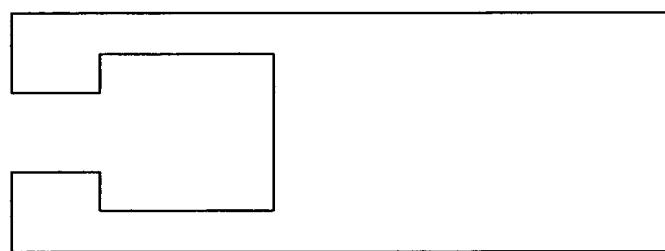


FIG. 75C

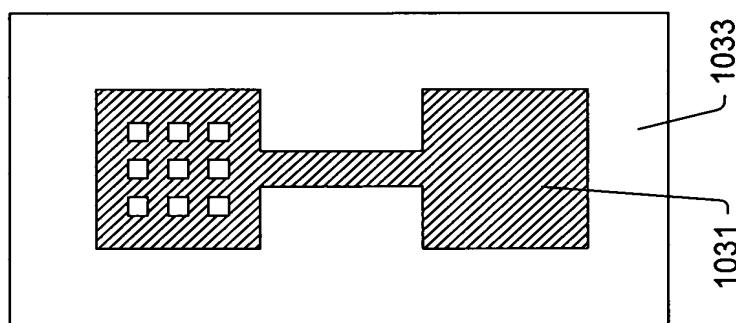


FIG. 75B

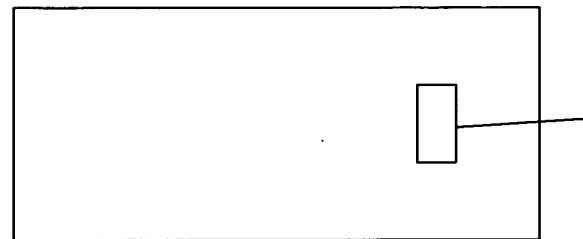


FIG. 75A

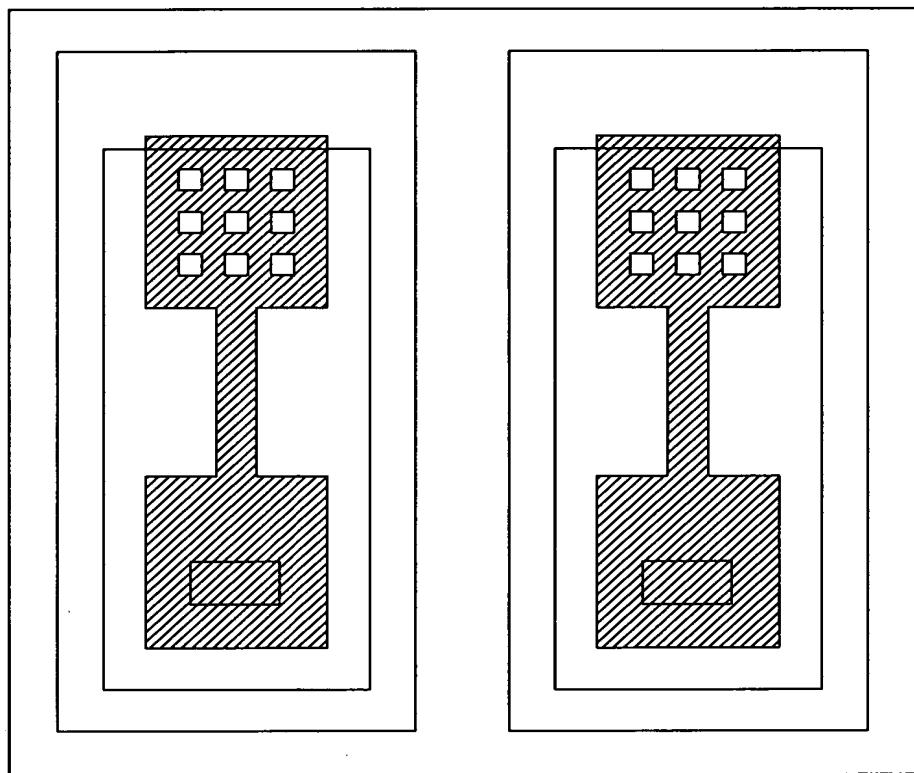
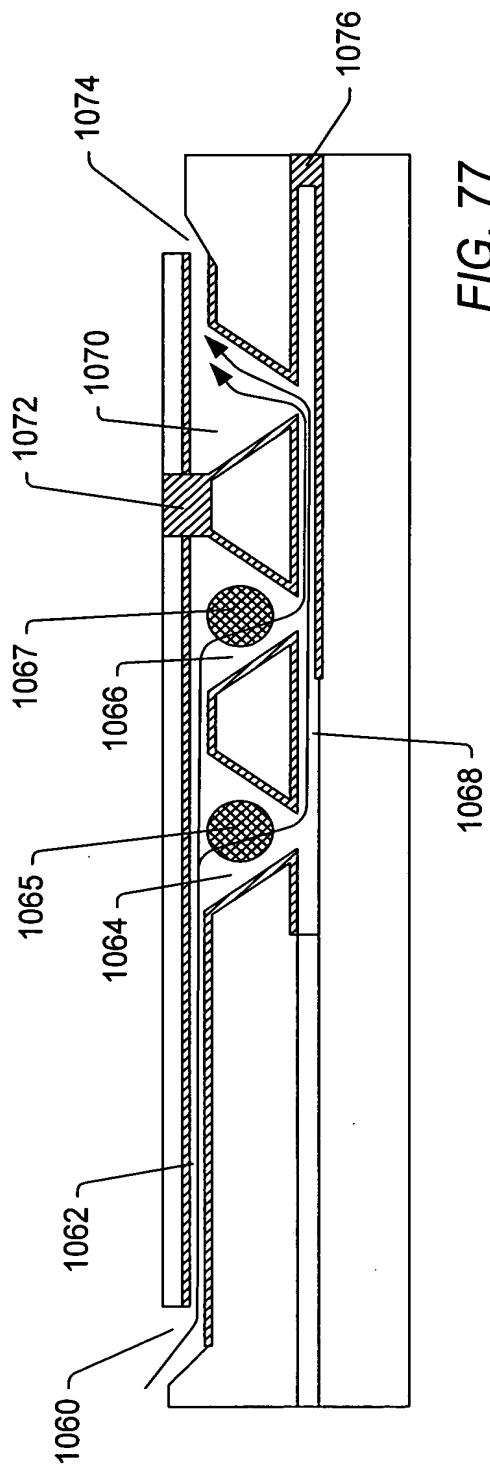


FIG. 76



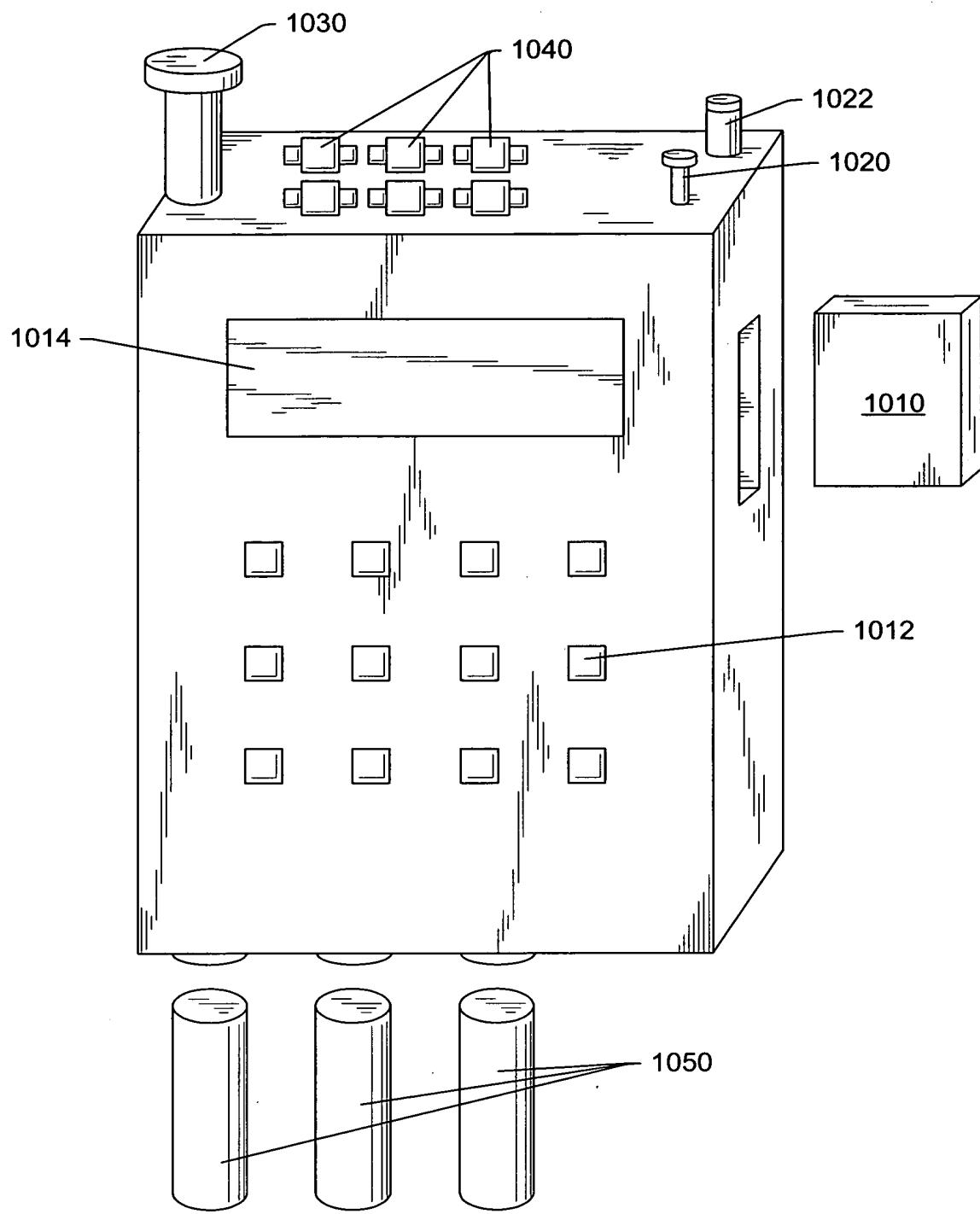
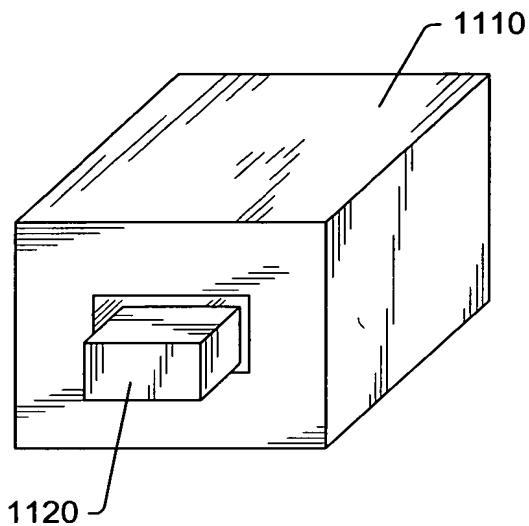
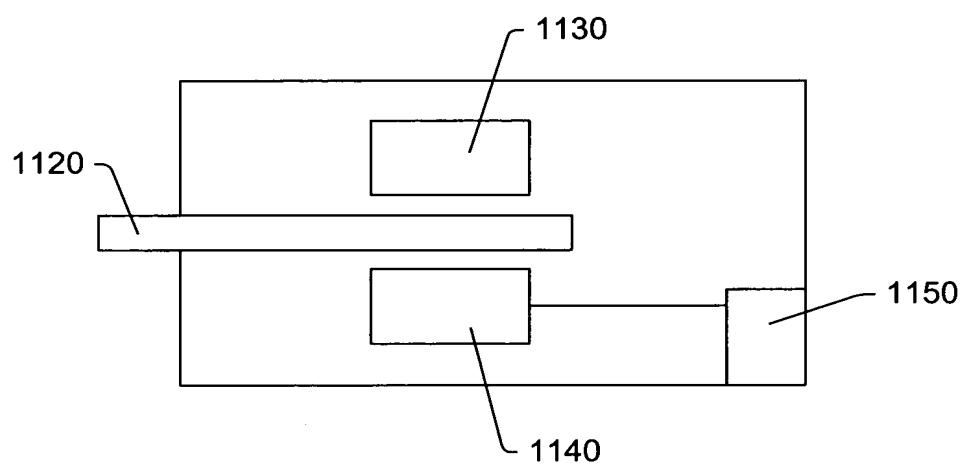


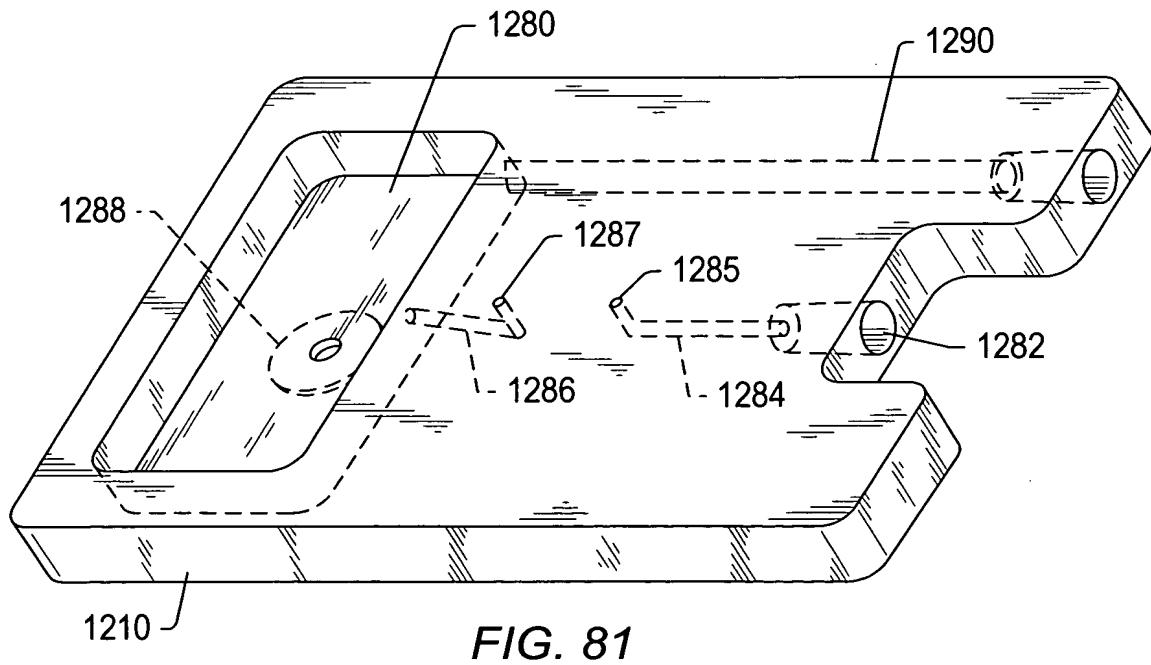
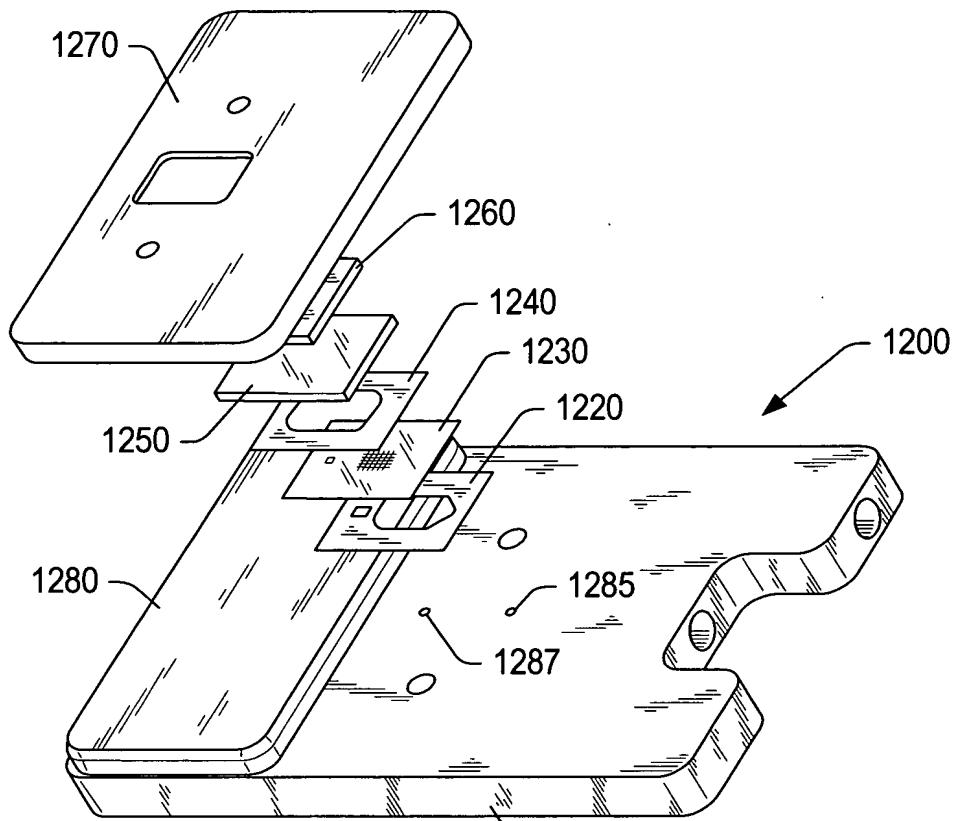
FIG. 78



*FIG. 79A*



*FIG. 79B*



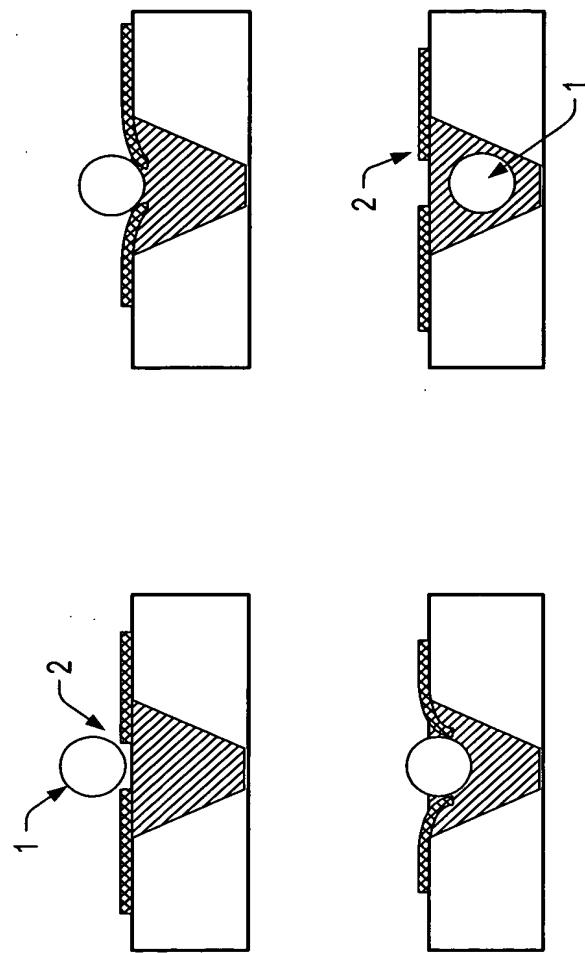


FIG. 82